### FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper, and for Transmission Abroad.]

No. 2563.—Vol. LIV.

LONDON, SATURDAY, OCTOBER 4, 1884.

R. JAMES H. CROFTS, STOCK AND SHARE DEALER, No. 1, FINCH LANE, CORNHILL, LONDON, E.C. ESTABLISHED 1842.

RUSINESS transacted in all descriptions of MINING STOCKS and HARES (British and Foreign), Consols, Banks, Bonds (Foreign and Colo-ial), Railways, Insurance, Assurance, Telegraph, Tranway, Shipping, Janal, Gas, Water, and Dock Shares, and all Miscellaneous Shares. BUSINESS negotiated in STOCKS and SHARES not having a general

Every Friday a GENERAL and RELIABLE LIST issued (a copy of which till be forwarded on application), containing closing prices of the week.

Ill be forwarded on application), containing dusing prices of the week.

Mines Inspected.

ANKERS: OITY BANK, London—SOUTH CORNWALL BANK, St. Austell.

TELEPHONE NUMBER 1003.

pECIAL DEALINGS in the following (or part):—

a sia Minor, 2s. 9d.

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b akinatoo, 8s.

colaino Bis, 9s.

colaino Bis, 9s.

colaino Bis, 9s.

colaino Bis, 9s.

b akinatoo, 8s.

\*.\* BUSINESS at CLOSE PRICES in all Market TIN, COPPER, LEAD, OLD, SILVER, and DIAMOND SHARES JAMES H. CHOPTS, 1, PINCH LAND, LONDON. RAILWAYS - SPECIAL BUSINESS .- Fortnightly Accounts

JAMES H. CROPTS, 1, FINCH LANE, LONDON. POREIGN BONDS - SPECIAL BUSINESS. - Fortnightly

nts opened on receipt of the usual cover.

JAMES H. CROFTS, 1, FINOH LANE, LONDON.

MERICAN AND CANADIAN STOCKS AND SHARESBPECIAL BUSINESS.
Orieightly Accounts opened on receipt of the usual cover.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

OPTIONS in all STOCKS and SHARES dealt in. JAMES H. CROFTS, 1, FINCH LANE, LONDON.

OLD AND SILVER MINES.—SPECIAL BUSINESS in ALL marketable INDIAN GOLD SHARES, and in Colombian Hydraulic millornis, Calino "Bis," El Calino, Gold Coast, Guinea Gold Coast, Kongaberg few Calino, Opear, West Calino, Tollina A, Tollina B, La Plata, Bio Tinto, Fron ino and Bolivia, Potosi, Chile, Nouveau Monde, Ruby, Richmond, Victoria. "." SHARES IN THE ABOVE SOLD FOR FORWARD DELIVERY ONE, WO, OR THREE MONTHS ON DEPOSIT OF TWENTY PER CENT. JAMES H. CROPTS, 1, FINCH LANE, LONDON.

MISCELLANEOUS SHARES of all DESCRIPTIONS BOUGHT or SOLD—SPECIAL BUSINESS:—Brighton Aquarium, General Credit, is Bay, Native Guano, Suez Canal, Westminster Aquarium, and Hotel

Barnes SHARES SOLD for FORWARD DELIVERY, OME, TWO, OF THERE MONTHS, OF DEFORT OF TWENTY PER CENT. JAMES H. CROPTS, 1, FINCH LANE, LONDON.

BALKIS SHARES.—SPECIAL BUSINESS at CLOSE MARKET RICES either for CASH or FORWARD DELIVERY one two or JAMES H, CROFTS, 1, FINCH LANE, LONDON.

TRANSVAAL GOLD AND SOUTH AFRICAN DIAMOND FIELDS. SPECIAL BUSINESS in all Transval Shares, including LISBON-BERLEN, TRANSVAAL, SPITZ KOP, SCHWAB'S GULLY, KIMBERLEY ONTRAL.

\*\* SHARES IN THE ABOVE SOLD FOR FORWARD DELIVERY ON DEPOSIT OF TWENTY PER CENT.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

ESTABLISHED 1842. MESSRS.

M ESSRS. H. HALFORD AND CO.,
STOOK AND SHARE BROKERS,
7, ROYAL EXCHANGE AVENUE, E.C.,
Have BUBINESS in ECTON COMPANY SHARES.

T LETCHER, JUN., MINE SHAREBROKER, REDRUTH,
TRANSACTS BUSINESS at close prices in all CORNISH MINES.
Advice and information to intending investors.

JOHN RISLEY, STOCK AND SHARE BROKER, AND MINING SHARE DEALER, 28, CORNHILL, LONDON, E.C.

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Deals in all descriptions of STOCKS and SHARES at close market prices.

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ESTABLISHED 1874.

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MESSES. PETER WATSON AND CO., 18, AUSTIN PRIARS, OLD BROAD STREET, LONDON, E.C. BANKERS: THE ALLIANCE BANK (Limited).

M ESSES. PETER WATSON AND CO'S
BRITISH AND FOREIGN MONTHLY MINING NEWS-STOCK
AND SHARE INVESTMENT NOTES — MINES, MINERALS, AND
METAL MARKETS—SHARE LIST, NO. 855, Vol. XVII., for COTOBER
month, will shortly be ready, and will be sent to customers on application.

Annual Subscription...... 5s, | Single Copy......

M R. ALFRED E. COOKE, BRITISH AND FOREIGN STOCK AND SHARE DEALER, 9, OLD BROAD STREET, LONDON. ESTABLISHED 1853.

(Opposite the Stock Exchange, with which his offices are in DIRECT TELEGRAPHIC COMMUNICATION.)

### TELEGRAPHIC COMMUNICATION.)

Mr. ALFRED E. COOKE can BELL the following shares, or any smaller marketable number at prices affixed PREE of COMMUNISSION:

30 Almada, 48.
30 Hoover Hill, 58.
30 Hoover Hill, 58.
50 Potosi, 59.
50 Prince of Wales, 58 56
50 Chontaberg, 28s.
50 Caliao Bis, 8s. 9d.
40 Chile Gold, 3s.
50 Chontales, 3s. 9d.
50 Chontales, 3s. 9d.
50 Chontales, 3s. 9d.
50 Cor. South Australian
Copper, 1s. 6d.
50 New Caradon, 2s. 3d.
50 Devala Moyar, 6s.
50 Nouveau Monde, 1s. 9
50 Devon Priend, 3s. 3d
50 Devala Moyar, 6s.
50 Nouveau Monde, 1s. 9
50 Devon Priend, 3s. 3d
50 Devola Moyar, 6s.
50 Nouveau Monde, 1s. 9
50 Devon Priend, 3s. 3d
50 Devola Moyar, 6s.
50 Nouveau Monde, 1s. 9
50 Devola Priend, 3s. 3d
50 Rast Wheal Rose, 8s. 3
50 Crita, 2is. 6d.
50 West Caradon, 1s. 6d.
50 West Caradon, 2s. 9d.
50 West Caradon, 2s. 9d.
50 West Caradon, 1s. 6d.
50 West Caradon, 1s. 6d.
50 West Caradon, 2s. 9d.

MANY OF THE ABOVE SHARES WILL BE SOLD FOR FORWARD DELIVERY (ONE, TWO, OR THREE MONTHS) ON DEPOSIT OF TEN OR TWENTY PER CENT.

TWENTY PER CENT.

THE FOLLOWING SHARES SHOULD BE BOUGHT;

Prince of Wales. Schwab's Guily. Balkis.

New West Caradon. South Kitty. Polberro.

Mr. Cooke has correspondents in every important city and town in England, whereby he can deal in Local Shares of every description.

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BARKERS: LONDON JOINT-STOCK.

WEST KITTY, THEVAUNANCE, NEW KITTY, WEST POLBREEN,
AND POLBERRO.

For prospect of trade, tin markets, management of mines, rich districts, &c., see verbatin reports of meetings of these companies, recently held, supplied gratis on application to Mr. Reynolds as the result of investments recommended by Mr. Reynolds, and other particulars. See Mr. Reynolds's "Facts and Figures, also supplied gratis on application to him.

The present is a very opportune moment for the investment of money in securities of all descriptions.

Mr. Reynolds is a buyer of any part of 1600 Polberro shares at 35s each, and is a seller of a limited number to any of his outcomers at 42s, 6d, each. Dealers are offering 2s, per share for the option of buying Polberros in two years hence at 27 los. each.

Mr. Reynolds is also a buyer of any part of 500 Trevaunance shares at 39s. Correspondents will kindly state number and lowest price for cash.

Mr. Reynolds transacts business with promptitude at net prices for cash only

Mr. Reynolds transacts business with promptitude at net prices for cash only POLBERRO, ST. AGNES.

The shares of this mine are in favour, and will advance probably to a very high figure. The mine has been inspected by gentlemen who are well known, and whose opinions are universally respected. Mr. REXNOLDS will be happy to furnish the particulars of their report, and to give to his correspondents any information in his power. The books of the company and all other particulars are open for inspection at the company's offices. The management is the same as that of West Kitty, and the property promises to be of a very high order. Mr. REXNOLDS directs attention to the fact that those who have purchased the shares can already obtain a fair profit. Mr. REXNOLDS further directs attention to the fact of his having been the first to introduce West Kitty, under very similar circumstances to those which now characterise Polberro, St. Agnes, and Mr. REXNOLDS with equal confidence recommends the latter company's shares. West Kitty, with at present 12s. per share paid, returns 30s, per share per annum as a minmum dividend with every prospect of further increase. When West FOLBREEN.—Mr. REXNOLDS is a buyer of any part of 1000 shares at 11s. per share.

Mr. REVNOLDS wife per share paid they were at a premium of £2 each.

WEST FOLBREEN.—Mr. REXNOLDS is a buyer of any part of 1000 shares at 11s. per share.

per share.
 Afr. REYNOLDS refers to his remarks on page 1147.

PROFITABLE INVESTMENTS.

To no class of joint-stock business does the Trust principle seem more applicable than to mining; for the essence of this principle is that risks shall be divided, and so minimised as much as possible. It is, therefore, matter for surprise that so few attempts have been made to apply it to mines. One of the few instances in which the plan has been carried out is

THE HOME MINES TRUST (LIMITED).

This flourishing company continues to enjoy increased prosperity, and maintains its position as a sound 10 per cent. dividend-paying investment.

"Every improvement in trade and in the price of metals reacts on the securities of the trust, and we wenture to predict that from the bountiful harvest of all descriptions all over the world, an impetus will be given to trade which will carry metals and mining securities very much higher. This being conceded, there is not the slightest doubt that the trust will occupy an envisible position, and be able to piace itself in the forement rank of such institutions.

"During the very dull period through which the commercial world has been passing this trust has maintained an average dividend of 15 per cent, for the past three years, and this being so, it can readily be understood what it will be able to accomplish when business is prospecous.

"When it is thoroughly understood that this trust is not engaged in mining on its own account, but simply takes note and advantage of the fluctuations in the market for home mining shares, and advances cash to enable holders and others to do likewise, investors will soon realise the fact that from the profits obtainable on their numerous transactions, which are spread over a wide area, the Trust can readily earn 15 to 20 per cent, per annum, and this has been its average rate since its formation. Although only 10 per cent. Is distributed, as much, or nearly so, its added to the reserve fund, and a continuance of the substantial return of 10 per cents, whatever the condition of business may be, is thereby assured.

"The shares are of £1 cach, fully-paid, and carry the quarterly dividend of the profits of the substantial return of 10 per cents, whatever the condition of business may be, is the reserve fund, and a continuance of the substantial return of 10 per cents, whatever the condition of business may be, is the reserve fund, and a continuance of the substantial return of 10 per cents, whatever the condition of business may be, is t

thereby assured.

"The shares are of £1 each, fully-paid, and carry the quarterly dividend of 10 per cent., payable this month.

"Dividends are payable quarterly,

"The shares are in active request, and advancing daily."

Investors should read our September Circular, now ready, post free.

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FOR SALE, 50 Shares (or part) in DE BEER'S DIAMOND MINING COMPANY at £5 10s. each. These shares are £10, fully paid, and return monthly
dividends of 1 per cent.

dividends of 1 per cent.

"" The present is a most favourable opportunity for investing in SOUND MINING SECURITIES, a judicious purchase of which at the low prices now ruling will, in all probability, result in large profits within the next few months. Mr. BUMPUS devotes SPECIAL ATTENTION to LEGITIMATE MINES, and is in a position to afford reliable information and solvice to intending investors and others in the selection of Shares either for INVESTMENT or SPECULATION. Correspondence invited.

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M. B. J. G. B. A. N. T. M. A. C. L. E. A. N. J. SHAREBROKER AND IRONBROKER, STIRLING, N.B.,
Refers to his Share Market Report on page 1150 of to-day's Journal.

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Those who wish to buy or sell any mining shares should consult Mr. JAMES.
Mr. J. devotes his entire attention to home and foreign mines, and places his special information at the disposal of his clients. That mining offers undoubted advantages for quick returns no one can deny. Look at the enormous sums of money paid in dividends by home and foreign mines. A large number of wealthy families owe their present proud positions to adventuring in LEGITI-MATE MINES. With a better price for metals many of the smaller priced shares would immediately advance some hundreds per cent. REVAUNANCE also POLBERRO SHARES SHOULD BE BOUGHT AT ONCE.

There are many mines worth attention, as proceedings of recent share-holders' meetings prove beyond doubt. During the last 40 years there has no such opportunity presented itself as the present for investment in British mines. Mctals are certain to advance. In well-informed circles no doubt is entertained on this point. Buyers must not further delay orders. See Selected List published by S. James, 14, Angel-court, London, E.C.

on this point. Buyers must not further delay orders.

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50 South Caradon, 13 9d.

100 Carn Camborne, 8. 3

100 Collacombe Cons, 4s.

50 South Darren, 4s. 6d.

50 D. Friendship, 3s.

50 South Darren, 4s. 6d.

50 D. Friendship, 3s.

50 South Prances, 26 15s.

50 Devon United, 5s.

50 Devon United, 5s.

50 East Blue Hills, 5s.

50 East Blue Hills, 5s.

50 East Blue Hills, 5s.

50 East Wheal Rose, 8s 3d.

50 West Orebor, 1s. 6d.

50 East Wheal Rose, 8s 3d.

50 West Orebor, 1s. 6d.

50 Groundslake (Olit.) 9s 6

50 Groundslake (Olit.) 9s 6

50 Groundslake, 2s. 5d.

50 Kith Hill 6s. Cons., 2s.

50 New Eardon, 1s. 9d.

50 New Eardon, 1s. 9d.

50 Cartago, 1s. 9d.

50 Cartago, 1s. 9d.

50 Old Gunnislake, 2s. 5d.

50 Challae Bls, 9s.

50 Old Bapherds, 1s. 3d.

50 Chile, 2s. 3d.

50 Chontals, 3s. 9d.

50 Chile, 2s. 3d.

50 Chile, 2s. 3d.

50 Chontals, 3s. 9d.

50 Chile, 2s. 3d.

50 Chile, 2s.

". S. James can buy or sell any of the above shares. Correspondence invited. Trustees, executors, and others will find their duties considerably lighteened by submitting schedule of shares held to Mr. James, who will return the same by next post with market values attached.

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BANKERS: IMPERIAL BANK, Lothbury, E.C.

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THE Nomited).—Conceptod es

lawson, Quate-street
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DEFUNCT AND DYING PUBLIC COMPANIES. FROM THE LONDON GAZETTE, SEPT. 30.

The Registrar of Joint-Stock Companies has given notice, pursuant to s. 7 (4) of 43 Vict., ch. 19 (Companies Act, 1880), that the names of the undermentioned companies have been this day (Sept. 30) struck off the register, and that such companies are hereby discounted.

of the undermentioned companies have been this day (Sept. 30) struck off the register, and that such companies are hereby dissolved:—

\* (NOTE.—An asterisk prefixed to a name signifies that another company with the same or similar title is believed to be carrying on business at the present time.)

Aberdare Temperance Hall, Accident Indemnity, Ajax (Big Indian) Silver Mining, Algoma Silver Mining, Alliance Co-operative, Alty-Crib Silver-Lead Mining, Alsace-Lorraine Provision, Alta-California Water Supply, and Excelsior Gold Mining, American Joint National Bank, Anglo-American Marezzo Marble, Anglo-Belgian Glass, Anglo-Belgian Marezzo Marble, Anglo-French Tramways, Anglo-German Express, Anglo-German Mining, Fuel, Fire-Clay, Anglo-Maltese Steam Tug and Ferry, Anglo-Russian Public Works, Anglo-Spanish Bank, Anglo-Spanish Telegraph, Argentine Tramways, Army, Navy, and General Outfitting, Arthur Green and Company, Arthur Speight and Sons, Auvergne Bituminous Rock and Paving.

Bagilit Chemical, Bahia Docks, Ballot Investment, Ballycummisk Copper Mining, Bangor and Pantdrainiog Slate, Banking, Contract, and General Agency, Barnsley Times, Barrow and Northern Counties Pure Linseed Cake, "Bay of Aboukir "Steamship, Bayswater and Paddington Co-operative Association, Bayswater Livery, Beaver Silver Mining, Bebro's Patent Printing and Ticket Registering, Beechlands Coffee Estates, Beet-Root Sugar, Belgian Glove, Belgrave Stables, Bellavista Silver Mining, Bentheim Bituminous Asphalte, Berwick-upon-Tweed Public Building, Bettws-y-Coed Slab and Slate Quarry, Birmingham and Midland Consumers' Co-operative Association, Bishop Horse-Shoe, Boiler Cleansing, Bolivian Trading, Border Counties Scotch Tweed Mill, Boscombe Spa Hotel, Boston and Frieston Tramway, Boston Guardian, Boulogne-sur-Mer New Town and Harbour Construction, Bradford Aërated Water, Brazilian Sugar Factories, Brazilian Sugar Refinery, Brighton and Sussex Consumers' Co-operative, British and Foreign Water and Gas Works, British and Foreign Water proofing Leather, B

FLY-WHEELS ON BOTH SIDES.

Lead Mining, Central City Mining, Chans Silver-Lead Mining, I Charing Cross Hotel, Chartley and Fradley Mining and Manufacturing, Chesterton, Church Bank Mill Cotton Spinning, City Residences, Civil Service Coal Supply, Clare and Son, Clench, Baring, Clive, and Son, Cleveland Public Hall, Clifton Silver Mining, Coal Dust Compressing Patent Machine and Fuel, Coate Moor Ironworks, Colchester I. Coal, Colonial and Foreign Meat Supply, Colorado Highland Silver Mining, East Nantypand Colorado Highland Silver Mining, East Nantypand Silver Mining, Ea

Washing.
Ferguson Gold Mining, Finland Charcoal Ironworks, Flintshire
Hematite, \*Food Preserving, Foreign Government Securities Bank,
Forest of Dean Iron Ore, Franco-Canadian Steamship, Free Trade
Fire Office, Free Trade Tea, Fresh Provisions Co-operative, Fur

Colonial Publishing Company, British and Colorado Smelting Works, British and Foreign Brewing and Distilling, British and Foreign Water and Gas Works, British and Foreign Waterproofing Leather, British and United States, International Association, British Barytes, British and United States, International Association, British Barytes, British Commercial Insurance, British Hay Press, British Hadan and Colonial Agency and Co-operative Society, British Patent Condensed Milk, British Patent Tanning, British Supply Service, British Works, Gas, Coke, and Water, Buenos Ayres and River Parana Railway, Burstow Patent Centre Cycle, Burton-upon-Trent Loan and Investment.

Calico Printing Engraving, California Mining, California Prospecting, Camberwell Advance, Discount, and Investment, Camberwell and Peckham Working Men's Club House, Canadian, Canadian Oil Works, Cardiganshire Old Bog Mine, Carmarthen Silver-Lead Mining, Carraar Railway, Carriage Insurance, Castle Dykes Iron, Castleford and Whitwood Gas Light and Coke, Castleton Conservative Club Buildings, Catty Crook, Cavendish Steamship, Cefn Hafod and South Dyliffe Silver-Lead Mining, Cefn-y-Guntla Mine, Celyn Bog Silver-Lead, Copper, Free Trade Tea, Fresh Provisions Co-operative, Fur Company, Gempany.

Gompany.

Gompany, British Rediction, British Barytes, British Indian and Company, Galchog Colliery, Gas and Water Works Construction and Maintenance, Gas General Traction and Maintenance, Gas General Asphalte, General Lanberis Slate, General Bangor and Llanberis Slate, General Building Material, General Colliery, General Householders' Discounts, General Traction Engine, General Traction Engine, General Traction Engine, General Trust Fand, Glamorganshire Mining, "Globe Telegraph, Good Intent Teetotal Hall, Good Templar Printing and Publishing, Gereral Traction Engine, General Mortgage and Georgian

G., Hilltown and Wexford, Himalayah Mining, Hinckley Gas Light and Coke, Hodyoad Iron Mining, Hogsthorpe Gas, Holt and Fandon Gas, Holway Silver-Lead Mining, Hongkong and Shanghai Tes, Hornchurch Brewery, House Repairs Insurance, Huano Manne, Humber Ice, Hungarian Chrome, Coal, and Iron, Hysehope Silver, Lead and Barytes Mining.

Ilfracombe Co-operative Coal, Ilkley Town Hall, Illinois Gold and Silver Mining, Imperial Chemical, Inohbrook Chemical Work, Independence Gold Mining, India and China Tea, Indigo of London, Cocanada, and Madras, Inodorous Quick Drying Paint, Investor Cocanada, and Madras, Inodorous Quick Drying Paint, Investor Protection, \*Irish Tramways, Islay Lead Mining, Italian Palent Spontaneous Divisor Closet and Manure.

Jamaica Paper Pulp, John Cross and Co., \*John Lomas and Brick, Kent's Bank Hotel, Keswick United Silver-Lead Mines, Kingswood Coal and Iron, Knife and Fork Newspaper, Knysna.

Lahore Ice and Aërated Water, Lamplugh Hematite Iron Mining, Lancashire and Cheshire Land, Lancashire Brewery, Lieeds and Water, Hotel, Leicestershire Ironstone and Smelting, Leyton Park and North, Esat London Cemetery, Licensed Victuallers' Brewery, Licensed Victuallers and Hotel Keepers' Glas and China Supply, Licensed Victuallers' Brewery, Licensed Victuallers Colliery, Licensed Victuallers' Tobacco, Liège Tramway, Limited Parnership, Liverpool Advertising and Commission, Liverpool and District Continued and China Supply, Licensed Victuallers' Brewery, Licensed Club, Liverpool Schange Club, Liverpool Shipowners, Llanelly Anthracite Coal, Llanymynech Gas, Lloydo, Carriage and Wagon Works, Llyny Pandy Lead Mining, Llywernog, London Advance and Agency, London and Suberban Newpaper, London Advance and Agency, London and British Asphalte, London and Steven Maris Stea aboat, London and Silver Mines, London and Suburban Newpaper, London and Terai Tea, London and Thames River (MZ), Golden Crown, London and Silver Mines, London and Suburban Newpaper, London and Terai Tea, London and Thames River (MZ), Golden Cro Regis Blue Lias, Lime. (To be continued.)

Mining in Tonquin.—Tonquin possesses, says the Revue Industrielle, mines of gold, silver, mercury, antimony, tin, sinc, and copper, the latter being numerous, and when the terms of concession are settled there will be a great outlet for emigration. Iron is commen, and the province of Thain-Guyen has important veins of lead. Atsenic, saltpetre, alum, a succedaneum of petroleum, and kaolin are also met with. Coal is very abundant in Tonquin, as appears from a work of Mr. Fuchs, engineer of mines, who was employed in 1881 by the Department of Marine to explore the coal beds known or suspected in Tonquin, and in certain parts of Annam.

RAILWAYS IN JAPAN.—In 1872 the first railway in Japan wa opened; it was constructed by English engineers at a cost of 600,000, and ran between Hiogo and Osaka, a distance of 20 miles. Since the time this railway has been lengthened at both ends, and two other distinct lines constructed, and at the present time there is a total length of 240 miles open. Two other lines are in course of construction, while five others are about to be commenced. Altogether railway enterprise is in a very active state in Japan.

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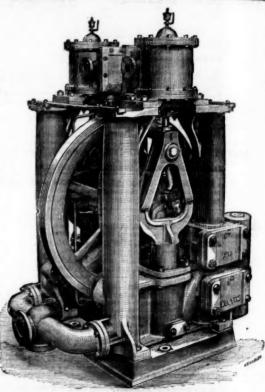
Of which he has made over 9000,

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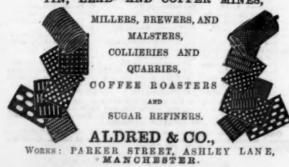


pecial method of preparation this leather s made solid, perfectly close in and impermeable to water; it has, therefore, all the qualifications essen-pump buckets, and is the most durable material of which they can be it may be had of all dealers in leather, and of— By a special method of preparation

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TANNERS AND CURRIERS,
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LONG LANE, SOUTHWARK, LONDON,
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WELDED STEEL CHAINS | FOR CRANES, INCLINES, MINES, &c.,

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North. e' Glass d Part

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### Registration of New Companies.

The following joint-stock companies have been duly registered:—
THE NORTH QUEENSLAND SUGAR ESTATES COMPANY (Lisited).—Capital 150,000L, in shares of 10L To purchase certain
feebold estates, and to carry on the business of sugar manufacturers,
to the subscribers (who take one share each) are—W. Gardiner,
the subscribers (who take one share each) are—W. Gardiner,
the street within; W. T. Anniston, Arborath.
THE LONDON GENERAL PAVING COMPANY (Limited).—Capital
100,000L, in shares of 10L To carry on the business in all branches
of an asphalte and paving company. The subscribers are—W. Stansfed. 6, Beresford-road, 40; H. F. Giles, Surbiton, 40; W. E. Wallis,
Weiminster, 40; R. J. Jenkins, 16, King William-street, 20; H.
1000ct, 123, Bishopsgate-street, 20; N. D. Garrett, 14, St. James'sspare, 40; J. Magerson, Chesterfield, 40.
THE HOUSE AND GENERAL ELECTRIC LIGHTING COMPANY
(Limited).—Capital 75,000L, in shares of 1L. The business of electie machine makers, electro-platers, &c., in connection with certain
spaired patents. The subscribers (who take one share each) are—
A Beckwith, 10, Noble-street; H. M. Guillemand, Upper Clapton;
E Kelly, 1, Queen Victoria-street; H. H. Kerr, 13, Fenchurchspaired; T. E. Youle, East Dulwich; E. Schubert, 32, St. Swithin'slace; H. Bennett, Gresham House.
THOMAS EVANS AND CO. (Limited).—Capital 20,000L, in shares
of 11. The business of merchants, fellmongers, &c. The subscribers
(who take one share each) are—A. Booth, Liverpool; E. Morin, 14,
Sheborne-lane; C. W. R. Ward, Bermondsey; G. Ashdown, Lower
Normood; T. Tate, Tawston; J. L. Cogan, 14, Sherborne-lane; F. F.
Bebinson, 40, Stanley-road.
THE NOTTINGHAM AND BULWELL AND DISTRICT OMNIBUS the following joint-stock companies have been duly registered:-

sire wants must be supplied, and what then? Fredsely what we have seen the and over again—a rush something akin to madness for all sorts of mining lasts, tad and good allee. The history of the past proves, we think, the correctness of these conclusions, and no one will be found to deny that those who have had the courage to buy sidely in depression in trade of the past prover speculation, or that Probally mother the one nor the other. The depression has been the sale of grapt presently. It has been the reaction—the natural reaction which large course and the present the political world is being reasoured. There is no lairs for war are not forthered in the present the political world is being reasoured. There is no ning, "quiet is a necessity. The steady position of the Market for Foreign loads is significant. The turn for the better in the railway traffic receipts should a soled. Casting saide political and all prejudice, what is there to cause displict? For ourselves we know of nothing. Then it is to us no matter for surprise that quiet, but persistent, buyers are pearing on a side. Casting and the papers during the week to heed further notice here; but must be admitted that the advance which has taken place in the prices of certain missing shares has been the result of a slight appreciation of prospect, which are unrivalled even in the extraordinary history of the mining industry of Great Brittan.

Pig-Iron.—Messrs. William Connal and Co. (Sept. 30) write: There has been a considerable business done at improved prices. The opening quotation, 41s. 3d., was the lowest accepted, and the highest, 42s. 0\footnote{Mt.}, was plid on the 19th. closing easier at 41s. 7d. cush. The stock in store shows a decrease of 2295 tons, and now amounts to 535,597 tons, with warrants in circulates for 534,655 tons. The Middlesborough market has been firmer; No. 2, 2, b. Tees, being now quoted at 36s. 6d. per ton. The stock in Connal and Co.'s pads there is 54,739 tons, being a decrease of 1245 tons, and there are warrants in circulation for \$3,475 tons.

### Meetings of Enblic Companies.

# LEADHILLS SILVER-LEAD MINING AND SMELTING

Refelings of While Companies.

Radiology John Control of Service Contr

the is now looking very promising, and we hope something good will come of it.

Mr. Dox: Is that the long adit?—The O'HAIRMAN: No; it mean the development of George's Roust Mine. The cost of the removal of the wheel will be about 200. Of course we have a very heavy stock of piglead and ore on the mine, and if we get a rise of 22. or 32. in the price of lead it will materially may be not allowed the control of the state of the stat

(Sept. 29) says:—Mr. Peter Watson, your Chairman and managing director, with myself, visited the mines recently, and went fully into all questions and points as they came under our notice during the time devoted to an inspection of the very extensive and elaborate surface plant and works, and subsequently discussed the present condition and future outlook of your property from notes made underground in the presence of Messrs. Newblgging and Altchison. Following the usual order, I will now endeavour to give a descriptive account of what we saw underground, and what we expect to see in the future, and afterwards try to make plain to you how and where considerable sums of money have been spens at surface to provide motive power for winding, crushing, driving machine jiggers, round buddles, and other necessary appliances of a modern type, which are now almost complete, and adequate to the requirements of a great run of mines like these, even were the output to considerably exceed that of the year mentioned in the balance-sheet now in your hands.

The underground department is then fully referred to, and it is then added:—It will be seen by the foregoing that all the operations underground have been vigorously pushed forward—in fact, the various levels throughout the mines have been driven in the aggregate 309 fms. 0 ft. 4 in. Shatts and winzes sunk 26 fms. 4 ft. 7 in., and the ground cut for plat and wheel-pit at Jeffrey's 26 fms. 1 ft., exclusive of all the ground taken away in the stopes during the years 1834.

At Wilson's shatt there is one of Fowler's splendid compound engines, 30-horse

25 fms. 4 ft. 7 in., and the ground cut for plat and wheel-pit at Jeffrey's 25 fms. 1 ft., exclusive of all the ground taken away in the stopes during the years 1834.

At Wilson's shaft there is one of Fowler's splendid compound engines, 30-horse power nominal, which winds all the stuff in Brown's Mine, from Gripp's to the 35, and is quite equal to bringing up twice or thrice the present output. Large and convenient kilns have been built here, into which the stuff is trammed direct from the shaft, and then washed and classified previous to removal over the new horse tramway to the crusher and dressing-floors at Beid's shaft. In close proximity to the latter shaft there is another of Fowler's compound engines of 25-lorse power nominal, arranged for winding, crushing, and driving machine jiggers, round buddles, and so forth, in addition to which it pulls the whole of the waste discharged by every machine on the floors over an incline tramway on to the mountains immediately at the back of the works, where there is plenty of tip room. These floors with all their arrangements are quite equal to present needs, and if Brown's lode along Gripp's south, and in levels below should yield increased returns (and we think it will), we have plenty of motive-power and room to extend dressing appliances to meet all requirements. At the smelting works considerable improvements and repairs have been carried out in the building of a stone bridge, arched in the usual way, from the main road over the Burn into the ore bin or store-house, in adding to the number of pits to catch the fume from the flues and condensing chambers, as well as in adopting increased facilities for catching fume in the said chambers. Repairs to the long length of flue from furnaces to the chimney, and in making the latter secure from rain, wind, and lightning, have all recently been done. Your group of mines, embracing so many lodes, is a big property, and we, your servants, should once a year, at least, try to lay before you clearly, in detail, the manner i

condition, which I consider will bear comparison with any submark this down. The report and accounts were then unanimously adopted.

Mr. ROGERS proposed the re-election of the Edward Ashmead, F.C.A., the auditor.—Mr. Baltzy seconded the proposition, which was carried.

Mr. ASHMEAD: I thank you for reappointing me auditor for the coming year. I have been your auditor from the commencement of the company, and I have really great pleasure in stating that the books of this company are remarkably well kept, and that everything is clear and in perfect order.

The meeting then closed.

### ROMAN GRAVELS MINING COMPANY.

A meeting of shareholders was held at the offices of the company,

A meeting of shareholders was held at the offices of the company, Finsbury Circus, on Wednesday,

Mr. TUFNELL SOUTHGATE in the chair.

Mr. FELIX F. WILSON (the secretary) read the notice calling the meeting. The report and accounts were taken as read.

The CHAIRMAN said he somewhat regretted that they had not the pleasure of meeting on the grassy hills of Shropshire, where they would, no doubt, have spent "a happy day;" but the circumstances detailed in the report would sufficiently account for calling the meeting in London. The mine, as he had often stated, looked as well as ever it did: but the low price of lead was the great thing which pleasure of meeting on the grassy hills of Shropshire, where they would, no doubt, have spent "a happy day;" but the circumstances detailed in the report would sufficiently account for calling the meeting in London. The mine, as he had often stated, looked as well as ever it did; but the low price of lead was the great thing which affected the shareholders very materially. On that point he did not know that he could say anything more satisfactory than at the last meeting. The price of lead still seemed to be at a very low ebb, and, as far as he knew, he did not know that it was going be input of the could have been that it was going be input of the could have been that it was going be input of the could have been that it was going be input of the could have been done to be at a very low ebb, and, as far as he knew, he did not know that it was going be input of the could have been done to be a could related to say anything over the could not be sufficiently and the could have ever done the could relate the could be sufficiently and the could relate to the normal price some day or the other. As regarded the amount of royalty paid by the company, he was sorry he could not say anything amount of royalty paid by the company, he was sorry he could not say anything had proached the landlord, Mr. Jasper More, on the subject, and Mr. More, instead of meeting them in an equitable manner and discussing the matter, handed them over to his solicitors. As the shareholders were a high-minded his of men, and he had no objection to enter into a discussion with them on any subject; yet, in this case, where the shareholders, who were in the pasition of tenants, yet, in this case, where the shareholders, who were in the pasition of tenants, yet, in this case, where the shareholders, who were a high-minded his or man, and the shareholders and the shareholders, who were a high-minded his on the top top the shareholders, who were a high-minded his or

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ok a turn for the better it was necessary to keep down the expenses as s possible.

Mr. GATTY saked why there were no accounts?——The CHAIRMAN said this can the half-yearly meeting, and the accounts were not rendered till the yearly

Mr. Gatty seled why there were no accounts N——The Grainmay said this was the half-yearly meeting, Mr. Gatty said they were returning 200 tons of ore per month, and he urged that, looking at the present depressed price of lead, it was not advisable to return his large quantity of ore. They had better reduce the culput, and under the circumstances not pay a dividend on the present occasion. He asked how long the lease had to run?—The SECRETARY said they made the culput, and under the case had to run?—The SECRETARY and they would be seen that to run?—The SECRETARY: About 2001.
Mr. GATTY: What are the monthly costs?—The SECRETARY: About 2001.
Mr. CATTY: What are the monthly costs?—The SECRETARY: About 2001.
Mr. CATTY urged upon the beard to stop the working of the mine as much as possible consists—to with keeping it in order. When things improved they would be able to sell the lead at a larger profit.
The CHARRAMA said that under the lease they were bound to keep 50 able miners underground. The instructions of the board were to economise in every way.
A SHARREGOLDER: What number of men are you employing now?—Capt.
Mr. FETER WATSON said they had reduced the returns in proportion to the reduction in the costs, which used to be about 1300. or 14002, per month.
Mr. GATTY asked whether that reduction had been effected by stopping the exploration works?—Capt. Watzens said the ends had been kept well in advance of the stopes, and they were not working out the reserves. They were now driving the ends with two men instead of six, but even with this reduced force they were keeping on the forebreast sufficiently forward to open up the ground properly. If there came a better price for lead they could put on six men again and increase the returns.
Mr. PETER WATSON said that as a matter of fact they had in driving discovered as much ore as they had taken away. They had not reduced the reserves, but had opened as much ground as they had taken away.
Mr. GATTY thought it would have been better to have kept six men driving. It seeme

Mr. GATTY: How long will it take you we want to exhaust the reserves an rate of working ?—Capt. WATERS: We shall not exhaust the reserves. For his each of the lease.

Mr. GATTY said he estimated they had about four years of reserves. For his ewn part he would not take out I ton of ore more than they could avoid.

The CRAIRMAN: We have not, and the proof is you have had no dividend.

A SHABENGIBER said he fully endorsed the policy of cutting down expenses.

Mr. PATER WATSON said the costs had been reduced from 14004, to about 9004, a month. But there were the big pumping-engine, the winding end so not be kept going, then there was the carriage of the ore to Minsterley, and the men to be paid, and looking at all these things he did not think anyone could say that the cost of 9004, was too much. He and Captain Waters had gone through every item, and compared them with those in Leadhills, and certainly the expenses were exceedingly low. No one was more anxious than the directors were to keep down the costs; and he did not see how, consistently with the proper development of the mine, the costs could be kept lower.

consistently with the proper development of the mine, the costs could be kept lower.

The CHARKMAN said that with 100 tens per month they could not pay expenses, and as far as engine work and so on was concerned, it did not cost more to raise 200 tens than 100. However, what Mr. Gatty had said would have the best attention of the board. They would consistently work the mine for the hearth of the shareholders, and not for the benefit of Mr. Jasper More's pockets. They were greatly dependent on Capt. Waters, who had served the company slithfully and well.—Mr. Parse Warson and he thought that Mr. Jasper More had done serious injustice to the Shrooshire hills in not meeting the wishes of the company. He condemned Mr. More's conduct from beginning to end. There was no industry in this country more deserving the consideration of landlords than the mineral industry, and especially that of lead, fu which there had been the greatest reduction in price. He considered the conduct of Mr. Jasper More as almost cruel. When this company took the mine there was nothing but a broken-down engine upon it. Since then the company had laid out large sums of money upon it, and had laid tout for a permanency; and if this had not been done Mr. More could not have had the profits which had been paid him by the company. Mr. More seemed to have no friend there, although the Right Hon. Mr. Chamberlain was a shareholder in this mine. The matter really required serious consideration, or British metal mining would, as the Chairman had said, become a thing of the past.

The resolution for the adoption of the recort and accounts was than out and

olution for the adoption of the report and accounts was then put and

carried.
The CHAIRMAN said that, having heard the expression of opinion of the share holders, the board would take into consideration the question of declaring a dividend. On the motion of Mr. CATTLEY STEWART, seconded by Mr. S. YORK, a toof thanks was passed to the Chairman and directors, and the meeting broke

### PRINCE OF WALES MINING COMPANY.

A four-monthly meeting of shareholders was held at the offices of the company, Gracechurch-street, on Thursday,

A four-monthly meeting of shareholders was held at the offices of the company, Gracechurch-street, on Thursday,

Mr. J. Y. WATSON, F.G.S., in the chair.

Mr. C. B. PARRY (the secretary), read the notice calling the meeting, and also the minutes of the last general meeting, which were duly passed and signed by the Chairman. The accounts showed that the labour costs had been 12231, the merchants' bills 4042, the lord's dues 321, and discounts 382. The sale of tin ore realised 3901,, and of copper 1991; total, 5891. The total balance of liabilities over assets was 14811. The agent's report stated that since last meeting they had put up No. 2 rise in the back of the 122 fm. level 3 fathoms, and communicated it with the 90. It was thought at the last meeting that as soon as this had been accomplished it would so drain the run of tin ground as to stop it at once, but up to the present it had been difficult to do so in consequence of the water issuing so strongly from it, but it has now absted, and appears almost drained, so as to enable stoping to go on from the bottom of the 90. It is evident that this run of tin ground has already taken an easterly dip, and that the 102 is now entering it. Since this rise has been holed the 102 fm. level has been driven east about 8 fathoms on a lode varying in size from 24 to 8 ft., and worth from 6f. to 501, per fathom for tin, and also producing a little copper ore. The 90 west has been extended on the course of the new Silver lode 11 fms. In order to be certain that the main lode has not broken off north from the silver lode we have put out a cross-cut north 2 fms., but see no signs of it in that direction. He (the agent) is more than ever convinced of the importance of diving on the course of the new Silver lode to reach the western point of junction of both lodes. The costs will be small, and the prospects in this western out tower, and stope the bottom of the 90 as soon as possible on tribute, and all other tribute which may be worked.

The CHAIRMAN add: At our last meeting,

working, that operations should be confined to two pioneer levels—
the 90 end west and the 102 end east, also to set such pitches as
might be thought desirable, and it was estimated the cost of this
work would be shout 2001 a month, and the returns about 1001, to 1501. Even
at that time, however, the costs on the old scale for the month ending on
June 7, payable in July, as well as rart of that up to July 5, and payable in
August, had been incourred, as was stated at the time, and the former was
5131. ISs. 9d., the latter 35501. ITs. 4d. Thus we come before you to-day with a very
small reduction, the actual costs of the four months having been about 15001. The
cres sold and belonging to these months have realised 5381. ISs. 9d., or rather over
the estimate, while those on the mine reduce the loss on four months' working
to about \$771., and we have a balance against us of 14701. ISs. 10d. At
our last meeting the balance against us was 15541. ISs. 1d., and as we only made
a cell of 11831. ISs. a part of the old debt, equal to 3751, swells up the present
balance. In the report of the committee to that meeting reference was made to
the 80 east, where a course of ore had been gone over for 20 fathoms in length,
worth 204, to 251, per ton, and which when opened out by a rise from the 102
was expected at once to open out a large section of ore ground that would materially assist the returns. This ore the signt found afterwards, when holing
the rise (and seeing that it did not drain the ground), dipped away east,
and the last discovery in the 102 end cast, some way further east than
the rise, proves this to be the case, and the ground will soon be available
now, while the last discovery in the 102 end east, some way further east than
the rise, proves this to be the case, and the ground, dipped away east,
and the last discovery in the 102 end east, some way further east than
the rise, proves this to be the case, and the ground will soon be available
now, while the last discovery in the 102 the day, one of the proposin

etter than they had ever been before, and he had said all along from informaon he had received from men who had inspected the mine—Captain George
and others—that this would turn out to be a tin mine. Even after they had
und bunches of copper they always thought it would turn out to be a good tin
ine. In his (Mr. Thougas) opinion what they had now to do was to push on
the the 102 east and the 20 west, and then if they found a considerable quantry of tin ground there the shaft would have to be sunk deeper.
The CHAIRMAY then moved that the report and accounts (which were taken
read) be adopted, which was seconded and passed unanimously.
Mr. WAGSTAFF then proposed that a call of 2s, per share be made, which
a SHAREMOLDER said he thought 2s, the personnel.

vould realise about 1100.

A BHARRHOLDER said he thought 2s. 6d. per share should be asked to wipe off he debt against the mine altogether.

Ultimately it was agreed that for the present, at any rate, only 2s. should be he call, and the motion was seconded and carried.

A vote of thanks to the Chairman brought the proceedings to a close.

### HORNACHOS SILVER-LEAD MINING COMPANY.

An adjourned meeting of shareholders and debenture-holders was held at the Cannon-street Hotel, on Wednesday, Mr. Scott in the chair, to receive the report and accounts.

Mr. RICHARDS (the secretary) read the notice convening the

An adjourned meeting or starteniousers and decentrate-mosts was held at the Cannon-street Hotel, on Wednesday, Mr. Scott in the chair, to receive the report and accounts.

Mr. RIGHARDS (the secretary) read the notice convening the meeting should be adjourned for a forthight, and in accordance with this resolution we have called the meeting to-day, and put into your hands a financial statement and report from Mr. Rickard as to the position of affairs. He went on to say—I have little to add to-day to what I said last time I had the pleasure of meeting you, but simply refer you to the financial statement, which, I think, fairly shows how we stand. In case you should require any information upon any of these points I would, with your permission, ask Mr. Richards, the secretary, to read a statement which he has made of the position of affairs, and also the amount of money which we sent position in which we find ourselves; and I think that when you have heard the statement of Mr. Richards the light your demand, and hope that the result our meeting today, small as its, will be sent position in which we find ourselves; and I think that when you have heard the statement of Mr. Richards the light your considers you can be added to the second of the position of affairs, and I should have the result of the position of affairs, and a south of the position of the position of affairs, and I make the position of th

would not be pressed it there was a chance of carrying on the company satisfactorily.

Mr. RICKARD, the engineer, then made a statement, in which he said all that he had promised the company to do he had performed within the time, and within the money stipulated. If the shareholders supplied him with money to the extent promised he would carry out what he had promised, as he had done thus far, if not they must take the responsibility upon themselves. Shortly after the commencement of work they would be able to turn the scale, and instead of sending money out from England, would send it home from the mine for the benefit of the shareholders.

Mr. Hanox said that the mine was suffering from the want of working capital to pay wages, &c.

The OBARDMAN said that great praise was due to Mr. Rickard for what he had done. It was decided to sell about 2000, worth of the machinery, and \$50, worth had been sold already; but Mr. Rickard said, do not sell it, you will want it yourselves.

done. It was decided to sell about 2000f, worth of the machinery, and \$50f, worth had been sold already; but Mr. Rickard said, do not sell it, you will want it yourselves.

Colonel Ricu said it was useless renewing appeals for money; they had been made over and over again. He thought the directors had worked hard and had done their best, and for that reason deserved their support, and he was willing to give his mite towards the sum required. He could not believe that the mine in its present condition was unsaleable. Surely others could see as well as Mr. Bickard that by the expenditure of more money the property would pay. He thought that in the event of their not being able to raise the money they ought to get a good price for the mine.

The subscription list was then opened, and the total amount of 930f, was promised on condition that 2400f, should be raised. It was suggested that personal application be made to the shareholders instead of a circular being sent.

The CHAIRMAN asid he was exceedingly obliged to those who had subscribed; he thought they had behaved well, and had given them great encouragement. They would do all in their power to get the rest of the money.

A vote of thanks to the Chairman brought the proceedings to a close.

### BURNHOPE LEAD MINING COMPANY.

The first general meeting of shareholders was held at the Royal Hotel, Blackhill, Durham, on Sept. 24,

Rev. W. FEATHERSTONHAUGH in the chair.

The state of the state of the mine? He answer mas—"There can be and supposing the lode holds as good as its now in the 102 fms. of ground gone over, and still standing in the bottom of that it as a still standing in the bottom of that it is an online that it is now the main questions, and the late of the mine? He answer mas—"There can be appeared to that in a still standing for a discovery. There is one other matrix I was to refer to the back." In the 50 fathom level east of 20, as I understand, knocked down 4s, per share, and this "for pollication, mentioned this to the offer. The sea of 20, as I understand, knocked down 4s, per share, and this "for pollication, mentioned this to the offer. The sea of 20, as I understand, knocked down 4s, per share, and this "foro" was published in all the papears must down, and, upon the letter becoming known, the shares were upon the late the recoming the control of the stations of the source of the station of the stations of the station of the stations will be station the back." In the 50 fathom level west he is still looking for a discovery. There is one other matrix I wish to refer to. On Friday that is a still for publication, mentioned this to the offer. The sea is letter from the state how, and upon the better becoming known, the shares were upon the back." In the 50 fathom level west he is still looking for a discovery. There is one other matrix I wish to refer to. On Friday the still be still be still the still be still the still be still the still be still the still the still be still b

mine, but have reduced the back water in the adjoining mines to a large extent during the time we have been opening out and developing the mine the reduction of lead has been very low, and now that we will soon be able to see the quantities of lead ore to the market we trust the small rise will not only a maintained, but go on and further improve, and we think there is good reasonand, and lessened production in all countries.

The directors retired from office, and on the motion of Mr. Adamson, second by Mr. BACKELD, they were unanimously re-elected. Mr. Leybourne was an example of the managing director.

The proceedings terminated with the usual complimentary vote of than

WEST FRANCES.—A four-monthly meeting was held on Thursday Mr. Walter Pike (the purser) presiding. The labour cost amounted to 3607L merchants' bills 1574L, and bankers' charges 213L the credits included black tin sold, 127 tons, 5570L, and extra carriag 18L; total credits, 5590L. This left a profit on the four months working of 19SL, and a balance in favour of the mine of 51L. The gents morking of 19SL, and a balance in favour of the mine of 51L the four months working of 19SL, and a balance in favour of the mine of 51L. The gents mortal that the rise above the 174 is up 104 fms, and the lode for fine who distance averaged 112 libs. tin to the ton of stuff. They have suspended open the rise. They were discovering four times as much tin as the grantes away, and there was no doubt that they were opening up one of were taking the lords of the mine, had granted a new lesse of Graze's tenemous, one the lords of the mine, had granted a new lesse of Graze's tenemous at 18th consented to a reduction of their salaries, and it was now resolved that they increased to what they were formerly.

CAMBORNE VEAN.—A special meeting was held at the

consented to a reduction of their salaries, and it was now resolved that they increased to what they were formerly.

CAMBORNE VEAN.—A special meeting was held at Redrut, on Thursday, Mr. T. Fidler, of Newbury, presiding. At the last netting it decided to bring out the mine on the Limited Liability Principle, if possible, and it was left in Mr. Fidler's hands to negociate the matter, and he now would report what he had done. He said that, in the first place, he had had a good deal of correspondence with the regarding the lease, the outcome of which was that they had promised lease for 30 years—that is to say for 21 years certain, and renewable year 17 years to the end of the term on the surrender of the present lease. So long at the same of the term of the surrender of the present lease. So long at the same of the term of the surrender of the present lease. So long at the same of the term of the surrender of the present lease. So long at the same of the term of the surrender of the present lease. So long at the same of the term of the surrender of the present lease. So long at the same of the s

WHEAL JANE.—At the meeting on Sept. 26 (Mr. J. C. Daubus in the wheals and and consider the replies from the lords to the offer made to take the materials at a valuation, it was stated that the offer made was in each instance refused, as was also the request. oner made was in each instance recused, as was also the reques
made to Lord Falmouth for permission to abandon for the present
the lower workings, and to confine operations to that portion of the mise slow
the adit. Under these circumstances the Chairman thought there was no
ternative but to draw to surface the pitwork and materials. He registed its
action of Lord Falmouth for it was thought they might keep the mine going for
the benefit of the neighbourhood if allowed to work above the adit. Residue
tions were passed authorising the abandonment of the mine, and empoweing
the committee to take the necessary steps for the relinquishment of the sit.

tions were passed authorising the abandonment of the mine, and empoweing the committee to take the necessary steps for the relinquishment of the set.

BULL'S IRON AND STEEL COMPANY.—At the annual meeting at Liverpool, on Tuesday (Mr. Bull, the Chairman, presiding), there port alluded to the failure of the efforts of the directors to start branch companies at Sheffield and in America owing to the share holders having failed to pay their instalments when due. Both companies now stood in abeyance, but the work done and the land purchased-mained the property of the parent society. An influential and strong companies now stood in abeyance, but the work done and the land purchased-mained the property of the parent society. An influential and strong companies does not be success of the company would be quickly realised after starting the Bouth Wales furnace.—Mr. W. Barrett asked further information as to the cause of the failure of the Shefiel and American companies. He thought the shareholders were left completely in the dark as to the state of the company. How was it that shares appared in the balance-sheet as having been issued at a premium when they habeen offered to him at 7s. 6d., and were known to be hawked about 7-Mr. William wanted to know how it was that in a company with a nominal capital of \$5,000, not) 14730, of which had been paid, shares had been issued at a premium of the thought the balance-sheet no balance-sheet at all, and that dust was beig thrown in their eyes, and would, therefore, propose that the report bould as be passed; that a committee of investigation be appointed and the meeting be adjourned.—Mr. Burrows (a director) suggested that the meeting be adjourned for three months, without the investigation committee, who could really the nothing more than the directors were doing; by that time the Sheffield with would have been actually tried. The fate of the company depended upon the success of these works, but they were very confident. The meeting be adjourned, the being understood that the re

adjourned, it being understood that the report was not adopted.

SIR W. ARMSTRONG, MITCHELL, AND CO.—The third ordinay general meeting was held at Newcastle on Tuesday (Sir William Armstrong presiding). The report stated that after deducting the sum of 28,6081. 5s. 9d. for depreciation, and adding the balance from last year, there remained a profit of 153,3501. 16s. 4d. They proposed deducting for preliminary and formation expenses 31,161. 6s. 14d. relating the amount actually divisible to 150,1891. 6s. 5d. From this sum a dividend of 7½ per cent. has already ben paid as interim dividend, and they would carry forward a balance of 2551. 18s. 4. Owing to the depreciation in the value of the ore, a large stock of which the company has, they had been obliged to write off 10,0001 on the book rule. The ship-yard at Elswick was approaching completion, and the steel department would shortly be in operation.—The Ohairman said he would not make any excuses for the dividend being smaller than last year, as in these hard time is thought a dividend of 7½ per cent. was not to be cavilled at. Until the slip-yard and steel departments were complete they could only be considered as in state of imperfect development. The report was unanimously adopted, and its directors and auditors re-elected.

GAWYON COMPANY,—The accounts to be presented at the forth-

directors and auditors re-elected.

GAWTON COMPANY,—The accounts to be presented at the forthcoming meeting have been issued to the shareholders, and slow debits for wages 34621. 3s. 10d.; merchants' bills, 14531. 16s. 21; directors' fees, 661. 13s. 4d.; London office expenses, bankers' charges. &c., 1721. 6s.; total, 51541. 19s. 5d. The arsenic soot sold realised 36961. 17s. 6d.; copper ore, 2121. 18s. 5d.; total, 39091. 15s. 11d. leaving a balance against the company of 12451. 3s. 5d. A report from Mr. Moses Bawden will be found in another column.

WHEAL COATES .-- There is a better account from this mine, and wheal Coates.—Incre is a better account from this mine, was the shareholders are referred to the weekly report, which was presented to the committee at their sitting on Thursday last. The low prices of shares do not always indicate the real value of a concer, as was evident in the case of East Caradon, when the shares of this mine were at 2s. 6d. each on a discovery they quickly rose to 50,

Bamy			R ORES.	, Redruth, Oct. 1	1,
Mines.	Tons.	Price.	Mines.	Tons.	Price.
Mellanear	81	. £2 6 (	Levant	76	E4 10
ditto	80		ditto	91	
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	78	. 2 15 6		5	
ditto	77	. 2 11 6		1 24	** * **
ditto	70			19	
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			PRODUCE.		
Mellanear	532 £	1293 17 8	Violet Saton	43 £	76 16
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Quantity of ore  EAST SALE.— Standard  OOMP. Nar Vivian an P. Grenfe	Amount of a Average stand of correspond ANIES BY W nes. d Sons	ard, £ 88 ling sale	4 0   Average ast mouth, £  IE ORES WE To	me copper, et tos: 2826 17 8 2826 17 8 28 15 0   Produce 28 15 0   Produce 28 15 0   Amo 25 1   26 1   27 2 1   28 2 1   28 2 1   28 2 1   28 2 1   28 2 2   28 2 2 2   28 2 2 2   28 2 2 2   28 2 2 2   28 2 2 2   2	D. unt. 7 3 7 0
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### FOREIGN MINES.

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FOREIGN MINES.

LAMILLOS.—Sept. 24: The lode in the 20, driving west of San Martin's can, has improved in value to 1½ ton in a fathom. In the 20, driving west of San has limproved in value to 1½ ton in a fathom. In the 20, driving west of San Felipe's shaft, is regular and well defined, yielding I ton garding west of San Felipe's shaft, is regular and well defined, yielding I ton in the 53, driving east of San Enrique's shaft, there a few spots of has thiom. In the 130 fathom level, driving east of said in given in the 130 fathom level, driving east of San Yieldows and the 113, driving in the same direction, is without lead. In the 82, we will not be 150 fathom with the 150 fathom level, driving east of Ban Yieldows shaft, the lode has now improved in appearance, and the 150 fathom. Great progress is being made in sinking San Victor's shaft, we per fathom. Great progress is being made in sinking San Victor's shaft, we per fathom. Great progress is being made in sinking San Victor's shaft, we per fathom. Great progress is being made in sinking San Victor's shaft, we have been supported to the sinking San Victor's shaft with the 150 fathom of the six days ended Sept. 6 were also shaft of the six days ended Sept. 6 were also shaft of the six days ended Sept. 6 were also shaft of the six days ended Sept. 6 were also shaft of the six days and the six of the six days ended Sept. 6 were also shaft of the six days ended Sept. 6 were also shaft of the six days and the six of the six days ended Sept. 6 were also shaft of the six days and the six of the six days and the six of the six days ended Sept. 6 were also shaft of the six days and the six of the six of

too the partners have grant and the properties of the partners have stored by the partners have been as 30 thes; total, 134 sacks weighing 6 tons 705 the Leart ore, 354 sacks.—Ore on Hand: 1000 lbs. lead headings. 6000 lbs. zluc heading.

— Telegram from Mr. Hamill, Sept. 30: Mine free of water. Have resumed with in the 14th level.

— ENVER GOLD.—Frank S. Craven, Sept. 17: 700 West, North Vein: Eight inbluters are doing well in this ground, 6 2-5 tons smelting ore sold for \$579\*99.

— 400 West, North Vein: 50 tons company's mill ore yielded 16% czs. gold; five company's mill ore yielded 31 2-5 css. gold; 7 tons tributers' mill ore yielded ton. gold; eight contractors and eight tributers are northing below level, with good prospects 8:0 ft with of haft.—1275 West, Main Vein: 2 working below level, with good prospects 8:0 ft with of haft.—1275 West, Main Vein: 2 working below level, with good prospects 8:0 ft with of haft.—1275 West, Main Vein: 2 working below level, with good prospects 8:0 ft with of haft.—1275 West, Main Vein: 2 working below level, with good prospects 8:0 ft with of haft.—1275 West, Main Vein: 2 working below level, with good prospects 8:0 ft with of haft.—1275 West, Main Vein: 2 working below level, with good of contractors and eight tributers are 3 working on good ore—180 West, Main Vein: 25 tons company's mill ore yielded 24 3-5 ozs. gold; 15 bons tributers with single of the series of the red and the series of the series of the red and the series of the series of the red and the series of the series

we may be able by treating a smaller quantity of stuff to obtain equally good results,
Gordon's shaft has been completed full size 78 ft, 6 in, below surface, excepting three or four sets to form the collar, at which the force is now engaged, and the two small inclined drivages advanced below this 45 ft. each, making about one-third the depth to adit or water level. The ground continues firm, tonge picking analstone. Before resuming operations at the face we intend laying scilined rails for removing the debris by tram wagons and horse-whim. while their is nearly completed.—Adit Level: We have succeeded in getting into the old level about 30 fms, to a second crush. All the timber work requires renewal, but several of the first original sets are still standing, indicating that come timbers will stand a reasonable length of time even in a jacotings formation. Expression and facandal look the best, next some camboatas, while others of this latter class are well rotted out. An elevated tramway has been made across the main road for dumping debris into the ravine, and continued to present point sportsions.

atter class are well rotted out. An elevated tramway has been made across the main road for dumping debris into the ravine, and continued to present points operations.

FORTUNA.—Sept. 24: Canada Incosa Mine: In the 90, driving west of San Fedro's shaft, the lode has declined in value to ½ ton per fathorm, and the ground has become harder. In the 120, driving east of Côthea's engine-shaft, there are occasional spots of ore, but not enough to attach value to. A good lode has been opened up in the 110, driving east of Lownders' shaft, during the last fortaight; it is now valued at ½ ton per fathorm. The lode in the 100, driving in the same direction, although small yields good lumps of ore; worth ¼ ton per fathorm. Callis winze is being aunk below the 80 in a movierately productive lode, yielding 1 ton of ore ere fathom where the shaft, water is issuing strongly from the breast; the lode will doubtless be met with in a day or two, when driving on its course will commence. The lode in the 160, driving father and direction, its gradually improving as the level advances, and is yielding the stones of ore, valued at 1 on per fathorm. In the 145, driving cast of Taylor's engine-shaft, the lode maintains its size, but contains more clay and calcarous spar, its present worth being 1½ ton per fathorm. The lode in the 180, driving east of Taylor's engine-shaft, is small and open, but does not contain or shough to value. Aftern's winze is being sunk on a very productive lode below the 165, driving east of Taylor's engine-shaft, is on a lode rounning counter from the main lode, and is of yours with a dron's winze is being sunk on a very productive lode below the 165, driving east of Taylor's engine-shaft, is on a lode rounning counter from the main lode, and is of yours with one of the 165 of the 1

THE MINING JOURNAL.

15. It has prove to mail. The Prowest, death has home park in working order. It will be an also made has been an always and the property of the property

with argentiferous and auriferous splitides yielding good saving mineral for subsequent treatment. In addition to the above sawyers are engaged cutting timber for buildings and storehouses, and labourers engaged upon raads, water-ourses, foundations for edifices and general work. In all there are about 40 men employed.

FIERREFITTE.—Manager, Sept. 29: South Mine—Middle Level: No change of importance has taken place the north-west middle level since last report. About a week ago I stopped the driving of this end, as I required the men to work elsewhere. In the south-east middle level I have put four miners to continue to cross-cut towards the hanging part of the lode to communicate with the stope and rise going up from the No. 2 level south-east. We have only about 6 metres to cross-cut, and 3 or 4 metres to rise from below to make this communication. When this is done we shall be able to work the new lode to much greater advantage than at present. The No. 1 stope, above the north-west middle level, has improved a little in value, and is now worth 3 tons of lead ore per fathom. The No. 2 stope has become too poor to work, so I have suspended it.—No. 2 Level: I am pleased to say the lode in the level, south-east of the slide, continues to yield very good lead, and the part where we are working I stimate to be worth fully 8 tons per fathom. We have also a good lode towards the hanging-wall, where we are taking out some ground to be able to drive the levels on the run of the lode by the side of the hanging-wall; I value it from 3 to 5 tons to the fathom; the ground here, however, is very hard, and consequently slow progress is being made.—North Mine: We have suspended all operations here for the present, as owing to the heavy rains which we have had lately we have a great deal of water, which interferes very much with the sinking of the winze going down from the No. 1 level. The machinery and wire-rope continue to be in good order.

RICHMOND CONSOLIDATED.—Telegram, Sept. 30: Week's run (one furnace) \$20,000 from 33

dring east of Taylor's engine-shaft, is small and open, but does not contain ore sound to value. Miron's winze is being sunk on a very productive lode below the 16, yielding 2 tons per fathom; the ground is hard.—Sen Anton Mine: The lode in the 65, driving east of Henty's engine-shaft, is 3 ft. wide, composed of lenty's engine-shaft, is on a lode running counter from the main lode, and is of very kindly appearance, producing 1 ton per fathom. The lode in the 30, driving west of El Tesoro engine-shaft, is on a lode running counter from the main lode, and is of very kindly appearance, producing 1 ton per fathom. The lode in the 30, driving east of El Tesoro engine-shaft, the lode is large, yleiding 1 ton per fathom, and the ground moderately say for driving through. The lode in Misto's winze, sinking below the 55, looks somewhat better than it did; it will be down this month, its present value being 30 to per fathom.

GOLD COAST.—Mr. Gowan, Aug. 17: There will not be any difficulty with the machinery after the overhaul, now all but finished, but the machinery after the overhaul, now all but finished, but the machinery after the overhaul, now all but finished, all it the miners are working on No. 2 lode, and a considerable quantity of ore has been stripped and exposed ready for shooting down as soon as the machinery after the overhaul, now all but finished, all it to miners are working on No. 2 lode, and a considerable quantity of relative the staff and composed of decomposed of decomposed granite, with a branch work 5 to hall away the stuff fast enough to keep a full force of men continually a work owing to the scarcity or coal for the engine. The lode is not being the scarcity of the Briol's shaft, and composed of decomposed granite, with a branch work 5 to hall away the stuff fast enough to keep a full force of men continually and also another smalley copper ore per metre near the hanging-wall, and also another smalley copper ore per metre with favourable indications for further improvement. The lode in the Stu

The resulting bead of silver is measured on a blow-pipe gauge. Before describing the precations and minuties of this combination process it may be well to give a short account of the process of measurement employed in the present method as well as in the blow pipe assay.

As in the quantitative blow-pipe assay for silver 0-1 gramme=1 blow-pipe centimetre, is weighed out, the regul, if the ore is poor, are too small to be weighed. Harkort first came upon the notion of measuring these globules and then calculating the percentage, since the weights of spheres of a metal are as the cubes of their diameter. To ascertain the latter, Harkort, and after him Plattner, made use of a narrow plate of ivory, upon which are drawn two converging lines with a maximum distance of I millimetre. These lines were about 15-5 centimetres in length to their point of intersection, and were divided by cross lines into 50 equal parts. In refer to determine the values of this scale, Harkort proceeded empirically, since the reguli are not mathematical spheres. He determined the proportion of silver in an ore accurately, by a series of assays in the muffle, selected then the most faultless bead of silver, and moved it along between the converging lines of his scale till it touched them on both sides. At this point the proportion was noted in percentages calculated in blow-pipe assay centners.

The other values were ascertained by calculation. If the necessary precautions are observed in reading off there are obtained with the scale good results, which agree perfectly with those obtained by cupellation. It is possible with the aid of a lens in measuring to determine with ease a proportion of 0.005 per cent. of silver. Sometimes, however, in the examination of post burnt pyrites, &c., a much higher degree of accuracy is required. This can, however, be readily obtained by a combination of both methods. The bead obtained in the muffle from, for example, 10 grammes of raw material, is measured to the quantity taken. But since, as already mentio

second driving may be advantageously effected bas losses of silver are thus more readily avoided.

as losses of silver are thus more readily avoided.

The bead of the silver should be perfectly bright and white; it is carefully, and without great pressure, removed from the cupel by means of a forceps and a pointed knife, and cleansed by rabbing between blotting-paper. While measuring the eye, in order to avoid parallar, is kept as nearly as possible vertically above the bead, the latter lying on the same surface as it did in the cupel. The measurement is repeated at least three times, with intervals, turning the bead in the same plane. The arithmetical mean divided by 100 if bead in the same plane. The arithmetical mean divided by 100, if 10 grms, have been taken, is the proportion of silver. Of course, it is necessary before all things to ascertain whether the proof-bead used is absolutely free from silver. From 10 to 20 grms, are therefore examined according to the method above mentioned. Any silver found must then be deducted in subsequent operations. Whether the combination method is applicable with the same accuracy to the

determination of gold must be decided experimentally. The method is especially suitable for very poor silicates, and requires only from four and a half to five hours for completion.

MARRIED,—Miss Constance Maude Neville and Mr. Stephen Rickard were married at St. Luke's Church San Francisco California, ca

### PROVINCIAL STOCK AND SHARE MARKETS.

PROVINCIAL STOCK AND SHARE MARKETS.

CORNISH MINE SHARE MARKET.—Mr. S. J. DAVEY, mine share-ealer, Redruth Oct. 2) writes:—Our market has again been very dull this week. Prices have not altered very much, but Carn Breas, Dolcoath, and Kast Pools have declined. Tin standards fell 2s. on Tuesday. At West Frances meeting to-day 1954, profit, and an excellent report. Subjoined are the closing quotations:—Carn Breas, 1½ to 1½; cook's Kitchen, 12 to 13; Dolcoath, 71½ to 72; East Pool, 40 to 40½; Kill-freth, 3s. to 5s.; New Gook's Kitchen, 1 to 1½; New Kitry, 1½ to 1½; Fednanders, 45 to ½; Fednanders, 45 to ½; Suth Wheal Frances, 6¾ to 7; Tincroft, 7½ to 8; Trevaunance, 1½ to 2; West Basset, 2½ to 2½; West Frances, 5 to 5½; West Kitry, 10 to 10½; West Polbreen, ½ to ½; West Frances, 5 to 5½; West Kitry, 10 to 10½; West Polbreen, ½ to 3½; West Wheal Seton, 3 to 4; Wheal Kitry, 10 to 1½; West Basset, 2½ to 3; Wheal Grenville, 5 to 6½; Wheal Kitry, ½ to 3; Wheal Crny, ½ to 5; Wheal Kitry, ½ to 1½; West Story, 3 to 1½; Wheal Kitry, ½ to 1½; West A very dull market throughout the week, and lower prices have been pressed for Selecaths, East Pools, and West Kitry. Carn Breas have been pressed for Selecaths, East Pools, and West Kitry. Carn Breas have been pressed for Selecath, East Pools, and West Kitry, Carn Breas have been pressed for selecath, East Pools, and West Kitry, 10 to 12; East Blue Hills, ½ to 3; East Pool, 39½ to 40½; Killifreth, ½ to 7; East Blue Hills, ½ to 3; East Pool, 39½ to 40½; Killifreth, ½ to 7; East Blue Hills, ½ to 3; East Pool, 39½ to 40½; Killifreth, ½ to 4; Polberro, 1½ to 1½; West Bolsont, 70 to 7½; West Bolson, 30 to 4; Wheal Agar, 16½ to 16½; Wheal Kitty, ½ to ½; West Boust, 70 to 7½; Wheal Grenville, 8 to 6½; Wheal Kitty, ½ to ½; Wheal Grenville, 8 to 6½; Wheal Kitty, ½ to ½; Wheal Grenville, 8 to 6½; Wheal Kitty, ½ to ½; Wheal Grenville, 8 to 6½; Wheal Kitty, ½ to ½; Wheal Grenville, 8 to 6½; Wheal Kitty, ½ to ½; Wheal Gre

2% to 2%; Wheal Grenville, 6 to 6%; Wheal Kitty, % to %; Wheal Uny, % to %.

Mr. M. W. BAWDEN, Liskeard (Oct. 2), writes:—The mining market continues dull and depressed with almost an entire absence of business, and prices generally are nominal. Subjoined are the closing quotations:—Bedford United, 1¼ to 1½: Blue Hills, ¾ to 34, Camborne Vean, ¾ to 34; Carn Brea, 1¾ to 2½; East Caradon, ¾ to 12; Dolcoath, 71½ to 72; Devon Consol. ¾ to 2½; East Caradon, ¾ to ½; East Pool, 40 to 40% Glasgow Caradon, ¾ to ½; Gunnislake (Olitters), ¾ to 34; Killifreth, ¾ to ½; Prince of Wales, ¾ to ¾; South Caradon, ¾ to ½; South Cardon, ¾ to ½; Prince of Wales, ¾ to ¾; South Caradon, ¾ to ½; South Condurrow, ¾¼ to ¾; South Condurrow, ¾¼ to ¾; South Condurrow, ¾¼ to ¾½ West Orfory, ¾¾ to 4; South Devon United, ½% to ¾; South Frances, 6¾ to 7; %L. Just United, 5 to 5¼; Tincroft, 7 to 7¼; West Basset, 2½ to 2½; Wheat Cardon, ¾ to ¾; West Prances, 5 to 5½; West Kitty, 10 to 12½; Wheat Crebor, 1 to 1½; Wheat Grenville, 5¾ to 8; Wheat Litty, ¾ to ¾; Wheat Uny, ½ to ½.

Mr. JOHN CAETER, mine sharedealer, Camborne (Oct. 2), writes:—In consequence of the fall in the tin standards prices are a little lower this week. The following are the closing quotations:—Carn Brea, 1¾ to 2; Cooks Kitchen, 11½ to 12½; Dolcoath, 71¼ to 72; East Pool, 40 to 40½; Killifreth, 4a. to [5a.; New Kotty, 1½ to ½; West Frances, 7 to 7¼; Tincroft, 7½ to 7¾; west Seton, 3 to 3½; Wheal Agar, 16 to 16½; Wheal Condurrow, ¾ to ½; West Frances, 7 to 7¼; Tincroft, 7½ to 7¾; west Seton, 3 to 3½; Wheal Kitty, 10 to 10½; West Preveror, ½ to ½; West Frances, 7 to 7¼; Tincroft, 7½ to 7¾; to ½; West Seton, 3 to 3½; Wheal Kitty, ½ to ¾; West Praces, 7 to 7½; West Kitty, 10 to 10½; West Preveror, ½ to ½; West Frances, 7 to 7½; West Kitty, 10 to 10½; West Preveror, ½ to ½; West Frances, 7 to 7½; West Kitty, 10 to 10½; West Preveror, ½ to ½; West Frances, 7 to 7½; Tincroft, 7½ to 7½; West Frances, 7 to 7½; Tincroft, 7½ to 7½; West Frances, 7 to 7½; Tincroft, 7½ to 7½; West Frances,

173. West Basset, 244 to 224; West Frances, 5 to 54; West Kitty, 10 to 104; West Perory, 4 to 45; Wheal Grenville, 6 to 6%; Wheal Kitty, ½ to %; Wheal Uny, 4 to 46.

MANCHESTER.—Messrs. JOSEPH R. and W. P. BAINES, sharebrokers, Queen's Chambers, Market-street (Oct. 2), write:—Whilst the movements in speculative shocks produce a fair report of transactions, the dealings for investment by the general public apparently over a small proportion to the sum of the dealings recorded. Traffics certainly do lend a little more encouragement, and this is made the most of by operators, but general trade keeps in such a condition that very little solid strength is imparted to the market by trade prospects. As, however, the harvest has turned out fairly well, the result to the staple trades of the country must, in the long run, prove beneficial, especially remembering the fact that, owing to the cholera scare on the Continent, a large amount of money must have been retained in this country which under ordinary circumstraces would have been spent abroad. The indications of money being about to go dearer are still having their effect on the prices of railway debentures and preferences and Colonial Government, as well as home municipal stocks and debentures, on which recently such a run has been made, are decidedly quieter; and though the changes are by no means important, some lower figures are noticeable. Mexican Railways are neglected, with a traffic decrease of 12001, but the prospects are not considered bright.

Banks move fairly well, and prices, though a little irregular, do not show many changes worthy of comment.—Higher: Lancashire, ½6 to %; and Liverpool Commercial, ½6.—Lower: Union of Manchester, ¾6 to %.

Consolidated buyers down 14, sellers figure unchanged.—Lawunces have changed hands pretty freely compared with recent times. Tendency of prices on talance of alterations again good.—Higher: Lancashire, ½6 to %; to will be produced to the produced state of the country of the produced state of the country of the produ

### SCOTCH MINING AND INDUSTRIAL COMPANIES SHARE MARKETS.

STIRLING.—Mr. J. GRANT MACLEAN, stockbroker and ironbroker (Oct. 2), writes:—During the past week there has not been much business doing; and though trade reports are still quiet, the prospects are better, as it is thought the generally good harvests will

business doing; and though trade reports are still quiet, the prospects are better, as it is thought the generally good harvests will stimulate business.

In shares of coal, Iron, and steel companies there are considerable improvements in Bolckow. Vanghan, and Ebbw Vales, but others do not show much. It is expected the first trial of Buil's iron and steel process will be made within three months at the South Wales Works. Cardiff and Swansea are 40s. to 45s. Monkland, 49s. to 51s.; and Wigan Coal, 25 to 30.

In shares of foreign copper and lead concerns prices are generally lower, as a fall is recorded in the price of sulphates. Bio Tintos touched 15%, and Tharsis 6, but are attracting attention at these prices. Arizonas have been sold from 22s. 6d. to 20s. 6d.; Canada Coppers, 2s. 6d. to 3s. 6d.; Corporation of South Australia, 1s. to 2s.; and Taunus Silver-Lead (preference), 2s.

In shares of home mines prices are generally easier, excepting Trevaunance and West Poliveen, which have advanced on favourable reports. Glasgow Caradons are steady about 9s., and their mine reports are also encouraging. Carn Cambornes are at 5s. to 7s. 6d.; Collacombe, 2s. 6d.; Devon Great Consols, 5ss. to 6is.; East Wheal Mose, 8s. to 9s.; Ecton, 13s. to 21s.; Gunnislade (Cilitters), 8s. 9d. to 11s. 3d.; Old Shepherds, 12s. to 14s.; Standard Lead, 23s.; Trecavean, 4s. 6d. to 5s. 6d.; Wye Mines, 5s.; West Phomis, 3s. 3d. to 4s. 6s.; Wheal Jane, 9d.; and Whoal Luskey, 9d.

There has been more business doing in shares of gold and silver mines. Montants have been sold from 30s. to 32s. 6d. As. this company is expected to earn large dividends the shares (2l. paid) must be very moderately priced just now. Kohinoors (1l. paid), also at 3s. to 4s., are much too low. By all accounts this is already and the shares (2l. paid) must be very moderately priced just now. Kohinoors (1l. paid), also at 3s. to 4s., are much too low. By all accounts this is already and the property, and has aplendid machinery, while the fresh capital required is almost

EDINBURGH.—Messrs. THOS. MILLER and SONS, stock and share brokers, Princes-street (Oct. 1), write:—The railway market has been firm, but prices are not much altered. Caledonian, Brighton Deferred, and North-Eastern have, however, improved. In debenture stocks there has been a reaction from the high prices which were lately reached, and some of these can now be bought on more favourable forms. Bank shares are unchanged, with the exception of Caledonian, which have risen 2s. to 9/s. Insurance shares have been quiet. Prairie Cattle shares are rather weaker. Swan Cattle have risen about 7s. 6d. Arizona Copper shares have receded about 2s. 4d. Oil shares are generally weaker; Eurnisland have risen 10s. to 17½, Pumpherston are higher, and Lapark have recovered a few shillings; West Lothian Gil; 9½; paid, have risen somewhat suddenly to 3½. Wood's Explosives have been excited, and at the end show a rise from 14½, to 14½. Among unquoted shares may be mentioned Arizona Trust, 11. paid, which have else aged hands at 19s., and Enlithigow Oil, which have been enquired for at 26s., i remium, and have since been offered at that price. EDINBURGH.-Messrs. THOS. MILLER and SONS, stock and share

### THE TIN TRADE.

Messrs, Dr. Monchy and Havellaar (Rotterdam, Sept. 30),—
We have to report a dull market for tin during the month now under review. The article was adversely influenced by the want of animation in business generally. Operators for the fall still making much of a possible increase of production in the Straits have had it much their own way. The trade has been buying only on a moderate scale, as is shown by the figures below, and speculators do not seem to care to resume operations; the turn over, therefore, was unimportant. Prices after improving ½ fl. during the first week have since slowly but steadily recorded, and now show a decline of 1½ fl. since the beginning of the month. The Dutch Trading Company's fifth sale in 1834 took place to-day, when 22,151 slabs Banca were sold from 48½ fl. to 49½ fl., average 49½ fl. This year's last sale will be held towards the end of November. Banca has moved off but slowly, the comparatively high price being an impediment to business. From 5½ fl. we receded to 49½; there are now buyers at 49½ fl. Transactions in Billiton have been limited, and were principally confined to spot parcels, forward delivery being rather neglected; from 49½ fl. the price advanced to 49½ during the first week, but since declined to 43 fl., at which price there are sellers now. Forward delivery is quoted ½ fl. higher. The next Batavia sale of about 10,000 peculs will be held on Oct. 30.

The position of Banca tin in Holland on Sept. 29, according to the Official Returns of the Dutch Trading Company, was—

1884. 1883. 1882.

1834.		1883.		1882,	
		11,977		13,193	
89,511	100700	127,583	******	125,994	
7,800	*****	9,810			
			******		
45,477		42,337	*****	43,419	
74,960		92,216			
			*****	114,940	
4,700	*****	1,630	*****	-	
10,200		6,600		7,691	
			*****	6,728	
			*****	66,289	
12,000					
				65 4.	
			******	6434 fl.	
	1884. 25,151 89,611 7,500 89,182 45,477 74,960 120,437 4,700 10,200 69,533 8,100 79,761 46,300 12,000 49% ft	1884. 25.151	1884. 1883. 25,151 11,977 89,611 127,533 7,800 9,810 89,132 98,494 45,477 42,337 74,960 92,216 120,437 134,553 4,700 1,830 10,200 6,800 69,533 87,830 8,100 13,381 79,761 74,459 46,300 65,550 12,000 11,000 49,6 81.574 ff 87	1884. 1883. 25,151 11,977 89,611 127,583 77,600 9,810 9,810 145,477 42,337 74,960 92,216 120,437 134,553 4,700 1,630 10,200 6,600 69,533 87,890 81,100 13,891 79,761 74,459 44,300 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 19,575 11	1884. 1883. 1882. 25,151 11,977 13,183 89,611 127,583 125,994 7,600 9,810 10 215 89,182 98,644 97,219 45,477 42,337 43,419 74,960 92,216 71,521 120,437 134,553 114,940 4,700 1,630 7,691 69,533 87,690 92,142 8,100 13,891 6,728 79,761 74,859 66,259 46,300 65,550 59,919 12,000 11,000 10,000 49\6 at 57\6 at 57\6 at 65 51 65 65

These combined returns of Banca and Billiton for 1884, compared with those for 1883, exhibit—A increase of the import for Sept. of 524 tons; a decrease of the import for the nine months of 1754 tons; an decrease of the deliveries for the nine months of 125 tons; a decrease of the stock second-hand of 503 tons; a decrease of the unsold stock of 539 tons; a decrease of the total stock of 1043 tons; a decine of the quotation of Banca of 134. 6s. per ton.

The Government Returns for the month of July are as follows:—

EXPORT OF TIM FROM HOLLAND.

			Jul	y.			Be	V6	n Mo	ntl	hø	
	1884		1883.	. 1	882.		1884.		1883.		1862.	
To GermanyTons	379		354		246	********	3000		2256		2007	
England						********						
Belgium				***		*******			902	***		
France					30	*******	185		174		223	
Hamburg	32		17		32	*******	273		200		296	
The United States	. 29		. 33	***	48	*******	200	***	181		67	
Other countries				***		*******			187	***	277	
	-		_		-		_		-			
Total	578		625	***	549		4835	***	3973		3483	
The United States	13	***	49	***	48 148	********	200 266	***	181	***	2	77

Messrs, STRAUSS and Co. (London	, sept	. 30	) 155uc	ene	TOHOW
atistics of Tin:—			Sept. 3 1884.		lept. 30,
	1884.				
Straits and Australian, spot Tons	4,507	*****	4,661		3,934
landing	255		831		618
Straits, afloat landing	1,855	*****	1,358		525
Australian afloat	1,333		1,395	*****	1,650
Banca, on warrants	973		1,421		1,323
Billiton, spot	1,381	*****	1,447	*****	2,048
afloat	1,102		784		
Australian tin in Holland	-			*****	-
Stocks in America, including quan-					
tity affoat	1,730	******	1,630	******	4,735
Total	12 226		13 597		15 583
Total	10,600	*****	670 15		POS 5
Prices of Straits and Australian	681 10		£19 19	esecont	FA3 3
Deliveries during month in London	1,665	****	1,375		1,143
Holland	740		464	*****	741
,, ,,	-				
m-4-1	6 405		1 020		1 004

### THE COPPER TRADE.

THE COPPER TRADE.

Messrs. HARRINGTON, HOBAN, and Co. (Liverpool, Sept. 30).—
Ohili copper charters for first part of this month were advised on Sept. 16 as 2500 tons fine, of which 1400 tons bars and ingots, 250 tons in furnace stuff for England, and 250 tons bars for orders here or Continent. Price of bars was 36°35 and exchange 31°46. Since our last report asies of Chili bars have been effected from 54. 7a. 2d. down to 54. cash, and from 54. 10s. to 54. 2s. 5d. three months' prompt, while good Valparaiso brands have realised from 55. to 54. 12s. 6d. per ton according to prompt. To-day there is a fair demand for copper at our quotations. The business in furnace material comprises—At Liverpool:—100 tons Chili regulus ex Tropique, s., at 10s. 754.; 200 tons Mexican ore (carbonate) at 10s. 6d.; 300 tons Quebrada ore (yellow) at 9s. 6d.; 500 tons ruby ore at 9s. 9d.; 300 tons American arsenical ore at 9s., and 100 tons Bett's Cove at 9s. 9d.; 300 tons Chilian regulus coarrive per Foxhound at 10s. 754. per unit.—At Swanses: 500 tons Bolivian regulus ex Kildonan at 10s. 6d., and 500 tons Chilian regulus to arrive per Foxhound at 10s. 754. per unit.—Precipitate: 50 tons best Rio Tinto at 11s. 3d.; 100 tons No. 2 at 10s. 15d.; 170 tons on private terms, and 50 tons English at 10s. 9d. per unit. Import of Chili copper during the past fortnight 1125 tons fine, against 1795 tons fine same time last year; delivery 1273 tons fine, against 1755 tons fine same time last year; delivery 2273 tons fine, against 1755 tons fine same time last year; delivery 2273 tons fine, against 1755 tons fine same time last year; the total imports of Chili and other copper into Liverpool and Swanses since Jan. I have been 55:00 tons; fediveries during the same period 61.424 tons fine; for same time last year; the figures were 49.344 and 43,657 tons respectively. Arrivals here during the fortnight of West Coast 8. A. produce:—Galicia (s.) from Valparaiso, &c., 12 tons ores, 34 tons regulus, 260 tons bars, 77 tons ingots \$\frac{1}{2}\$ stons for

regulus.

Stocks of copper (Chilian and Bolivian) in first and second hands, l:kely to be available, we estimate at te at— Ores. Regulus. Bars. Ingots. Barilla.

Liverpool					18,192				-	
Swansea	301	******	1,104	******	3,576	40003		******	_	
Total	381	*****	1,149		21,768	******	20	****	-	
presenting about 22,516 806 tons Sept. 29, 1883;	tons	fine c	opper	aga:	1882 ·	258 to	ons S	ept. 1	5; agai	nat agi
ock of copper contained										
na fine against 4435 to	na A	ent 2	9 1883	RE	ook of	Chil	I har	w and	ingot	a in

tons fine, against 4435 tons Sept. 29, 1835. Stook of Chill bars and ingots in Havre, 945 tons fine, against 1922 tons Sept. 29, 1833. Stook of Coro Coro Barilla in Havre, 105 tons fine, against 347 Sept. 29, 1833. Stock of copper other than Chill in Havre, 290 tons fine, against 385 tons Sept. 29, 1835. Stock of Chill copper affoat and chartered for to date, 809) tons fine, against 10,939 tons Sept. 29, 1835. Stock of foreign copper in London, chiefly Australian, 3100 tons fine, against 4000 tons Sept. 29, 1833.

Messrs. HENRY R. MERTON and Co. (Leadenhall-street, Sept. 30)

Stocks in England and France and affoat thereto:-	1884.
Chili bars, Liverpool and SwanseaTons	21,768
Chili ingots, Liverpool and Swansea	
Chili ores and regulus, Liverpool and Swansea (fine)	783 4,775
Other stuff, Liverpool and Swansea (fine)	4,775
London, Foreign copper (chiefly Australian) and Landing	3,078
Havre and Bordeaux, Chilian and other bars	3,078 945 395
Havre and Bordeaux, other copper	395
Affoat from Chili (advised by mail and cable):	
Ores and regulus (fine)	2,537
Bars and ingots	5,403
Afloat from Australia (advised by mail and cable);-	
Fine copper	1,174
Total	40,823
Total	40,82

Price of Chili bars, per ton ... £54 2 6

COPPER.—Messrs. VIVIAN, BOND, and WATSON (Sept. 30) write: The Chile charters for first half this month were advised on Sept. 18 as 2500 tons, consisting of 1400 tons bars and ingots, and 250 tons ores and regulus, for England, and 350 tons fire for the Continent. Price, 318\*95; exchange, 313d. In Chili bars a steady business has been done during the fortnight, with only slight fluctuations, to-day's closing quotations being 34. Ss. to 34. 10s. spot, and 34s, 10s. to 54f. 15s. three menths. In furnace material the following sales are reported—Here: 200 tons Mexican ore at 10s. 6d.; 100 tons Bette Cove ore at 9s. 49. d.; 500 tons yellow Quebrada ore at 9s. 6d.; 500 tons ruby Quebrada ore at 9s. 4s.; 100 tons of Chill regulus at 10s. 74d., and 300 tons of American ore (areenical) to arrive at 9s. per unit.—Swanses: 500 tons of Bollvian regulus at 10s. 6d., and 500 tons of Chill regulus to arrive per Forbound at 10s. 74d.—Precipitates: 80 tons of Tinto 8.8, at 11s. 3d.; 50 tons of English at 10s. 9d; 100 tons of Tinto 8.0, 2 st. 10s. 14d. per ton, and 170 tons private terms. Stocks of copper produce (Chilian and Bollvian) are as follows:—Bars: Liverpool, 18,182 tons; Swansea, 376 tons; total, 21,768 tons; Ingots: Liverpool, 25 tons; Bwansea, 194 tons; total, 1449 tons. Ores; Swansea, 381 tons; Equals about 27,206 tons of fine copper, against 42,258 tons Swansea, 1931 tons; Equals about 27,206 tons of fine copper, against 40s. 184 tons Sept. 15; and against about 27,206 tons of fine copper gept. 23, 183. Other stocks fine copper contained in copper, ores, and precipitates in Liverpool, 333 tons; in Swansea, 1931 tons; Equals about 27,206 tons of fine copper gept. 29, 1833.

IRON AND MANGANIFEROUS ORES.—Mr. E. S. FERDAUGEON (Carelian)

tons Sept. 29, 183.

IRON AND MANGANIPEROUS ORES.—Mr. E. S. FERGUSSON (Cardiff, Oct. 1) writes:—The iron ore market is firmer this week, and business has been dose at increased prices. This is the natural result of the reduction in stocks combined with the firmness in freights. Bilbao, Rubia, or Dicido ore is quoted at 12s, to 12s, 6d. per ton o.i.f. Cardiff or Newport. Freights are firm,

### Mining Correspondence.

### BRITISH MINES.

BEDFORD UNITED.—H. Trezise, Sept. 30: North Lode; There is no class in the 138 east; the lode is worth 5t. per fathom. The tribute pitches combat to yield a fair quantity of ore and mundio.—WCallan's Shaft, Bridge Lote, it to yield a fair quantity of ore and mundio.—WCallan's Shaft, Bridge Lote, it to yield a fair quantity of ore and mundio.—WCallan's Shaft, Bridge Lote, it to yield a fair quantity of ore and mundio.—WCallan's Shaft, Bridge Lote, it has a strong capies, mundio, and ore. In the 2c seat the lode is not take down, at and worth 7t., a very nice looking lode of great promise. The de is 3ft, wie, take of the 52 west are 65, per fathom each. The tribute pitches the same and west are without alteration. The lode in the 42 east is much improved in an and west are without alteration. The lode in the 42 is strong and improved in appearance, and worth 10t, per fathom, a very kindly lode. Two stopes in the sake of the 42 east, and two at the 33 are looking fairly well. We have sample the 42 east, and two at the 33 are looking fairly well. We have sample 174 tone of ore of good average quality.

OATHEDRAL CONSOLS.—S. Davey, Ont. 2: We are I ushing on the creation of the sample of the sample of the product of the sample of the

fathom. In the 50, west of Watson's shaft, the lode is 2½ ft. wide, composed capel and quartz, with peach, and small quantities of copper and muside ore. In the cross-cut south, in the 50, the ground has improved, and better progres in driving is being made.

DEVON FRIENDSHIP.—F. R. W. Daw, Oot. 2: The 42 end, east of Benestly shaft, has slightly improved in value, and the ground is much easier for driving. The end driving west of ladder winze has also improved: now worth all perfathom for arsenical mundic. The stopes in the bottom of this level are very rich for mundic, and worth fully 10t. per fathom.—P.S.: You will notice fees the returns and the number of fathoms broken per month on Bennett's section that the average value of the ground is 7t. 16s, per fathom.

DRAKEWALLS.—T. Gregory, Oct. 2: In cleaning up the engine-shaft set dropping the required pitwork we are making good progress. We are realout 7t/4 fms. below the 92 fm. level, and we are making every effort by a will force of men to reach the bottom as soon as possible. The ground in the department of the control of the con

purposes, nor do we expect much increase until near the end of this month.

EAST WHEAL LOYELL.—T. Quentrail, Oct. 1: The lode in the 13 wet is
improved since last week, and is now opening up some profitable stoping groust.

The 13 east is rather disordered, and we are driving a cross-cut towards the noth
part of the lode. We are cutting plat at the 13, after which we shall returned to
sinking of the shaft.

EAST WHEAL ROSE.—T. Doidge, Sept. 30: Penrose Shaft: We have secure
the broken life and again put it to work together with the 10 in. To-morrow sit in the property of the shaft of the week we hope to dish
it. We shall be wanting pumps and plunger bottom to fix the pole at the 10 in
its shaft quickly: in Isot, as fast as the castings can be delivered.—Sech
Wheal Rose: The air-compressor and little engine are completed, and in god
working order; this will thoroughly ventilate this shaft, which is drained.—Sech
Wheal Rose of the shaft—at the 100—we could fix it immediately were related to
drained by the 90 in. engine of the thin the property of the shaft of the shaft

Oct.

orazenical n for the better of great value uses good at an annual of the second of the

eperations, the result is tions of pronot made as to state the mine, and profit would Messrs. Shaton, which is be sold GOODE shallow adfully St. pe
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from E consequence work. carried the let last remain the 90 ores, to we has sulphit the lo

judging Wheal 220, has

resident medic in paying quantities. We believe, however, that a change with teller is the will now yield about 8 tons of mendic per fathons, and degree at the will now yield about 8 tons of mendic per fathons, and degree at the will now yield about 8 tons of mendic per fathons, and degree and the will be the will be the service of the service of the will be the service of the serv

ABW TERRAS.—R. Eade, Oct. 2: The lode in the great stopes at engine-shaft continues its size and character. The men are breaking the tinstone for 22. per ton, and the trammers &c., have 7d. per ton for taking it to shaft, sending it is great, crushing it, and tramming to stamps. You will, therefore, see that the Sulf is being treated on a very cheap scale. We are pushing on with the sinking of the east shaft, and find the ground of a beautiful character for the production of in. Lam pleased to say the water here has considerably increased during the past few days, and we now have reason to hope that we shall be enabled to keep our stamps going regularly. The other points of operation are all right, and the machinery throughout the mine is working well.

REW TRUMPET CONSOIS.—Thus, Quentrall, Oct. 2: We have divided and cased Trenethick shaft to the 40, which we are now in full course of driving east and west. These ends are looking very well, and opening up good stoping ground. The lode in the wines sinking below the 28 west is worth fully 12. per fathom for from and copper, and the quantity of tin in the lode is increasing as we get deeper, which speaks well for the next level. The stopes in the back of the 18 west which speaks well for the next level. The stopes in the back of the 18 west of ARADON.—N. Richards, Oct. 1; No. 5 lode, east of Hallett's cross-course at the 38 fm. level maintains the same kindly appearance, and we as I had all y expecting to get an improvement. This lode, west of cross-course, in the case of the 16 men and the proving, and is now yielding saving work for copper, for consecut, south at this level, is being driven through a good channel of ground for the production of mineral, and the men are making fair progress. A few days ago we placed a pare of men to open on a branch in the back of the 17 on the Menadue lode. It is now 1ft. wide, and will yield about 1 ton of good copper ore per fathorn, and from its present appearance we think it will improve

Proper to be rathorn, and from its present appearance.

NORTH GREEN HURTH.—J. Polglase, Sept. 25: I observe the hazle is dropping in the back; in the south end a change is probable. We have intersected a small branch in the deep cross-cut, but without mineral.

NORTH PANT.Y.GO.—William Wasley, Oct. 2: I took possession of this mine lat Monday, and commenced to sink a new shaft from surface for winding and

ladderway. When we get to the proper depth I shall drive a level to communicate with an old shaft, which will thoroughly ventilate the mine. Until this is done I shall confine the operations to the new shaft. I have had considerable experience in the management of different mines on the flat measures in Flintshire, and after carefully considering the position of this mine, and the many favourable indications peculiar to the flat measures, I fully believe this shaft will go down on a fine run of ore, and that we shall soon open up a very rich mine.

experience in the management of different mines on the flat measures in Filintshire, and after carefully considering the position of this mine, and the many favourable indications peculiar to the flat measures. I fully believe this shaft will go down on a fine run of ore, and that we shall soon open up a very rich mine.

OKEL TOR.—H. Bulford, J. Rodds, Oct. 2: The 90 east is driving by two men, at 44. per fmr. iode looking very promising, and producing good arsenical mundle. We are rising in the back of this level, by six men, at 74. per fathom; lode 5 ft. wide, producing good stones of copper ore and arsenical mundle. We are sinking a winze in the botic so 5 ft. wide, consisting of capel, mundle, and copper ore; worth 2 tons of the latter per fathom. The stopes east and west of No. 2 winze, in the bottom of the 80, on the north lode, on unique to look well; the lode is yielding 14 tons of arsenical ore per fathom. Stoping by eight men, at 31. 15s. per fathom.

OLD BHEPHERDS.—R. and J. Nanearrow, Sept. 30: Harvey's shaftmen are proceeding with their contract in cutting ground, &c., for the plunger-lift very satisfactorily, and we hope will complete it by the time estimated in our previous report. In the 12 west we are cross-cutting north, as we are satisfied we have not yet seen all the lode, and it is very probable there is still a richer part standing to the north. In clearing the 102 east we have not yet seached Teague's shaft, but hope to do so shortly; and when done this will put us in a good position for ventilation, also footway for drawing purposes. In driving the 92 cross-cut north of Old Sump, towards Giddy's and Stephen's lode, we are passing through a beautifully congenial strata for the production of silver-lead. The tribute pitches, as a whole, have rather improved since last report. We sampled a nice parcel of lead on Thursday last, and are now busily engaged dressing other parcels. All our machinery continues to work in a satisfactory manner. OWEN VEAN AND TREGUENTIA DOWNS.—William Derry, Henry

mine started.—Surface: The carpenters are preparing the roof for the enginee and boiler houses, and the engineers are preparing to heave the heavy fly-wheel. The stamps axle is lifted on the horses, and the stamps covers are in course of erection.

ROMAN GRAVELS.—Arthur Waters and Son, Oct. 2: There is nothing new here since our last week's report. We have sent off the parcel of blende, and are now pushing delivery of the 100 tons of lead ore.

RUSSELL UNITED.—John Bray, Sept. 27: I beg to hand you my report of operations since June 30 last. Matthew's engine-shaft has been sunk below the 97 5 fms. 5 ft., making 29 fms. 1 ft. 5 in. below the 37 5 fms. 5 ft. making 29 fms. 1 ft. 5 in. below the 37 5 fms. and showing small branches of copper ore on the north side of the lode. The lode has been out through in two different places in the last 5 fms., where it is from 3 to 4 ft. wide, producing some copper and mundic, but not sufficient to value. The shaft has been cased and divided, with all necessary timber, footway, and rods, making it complete to the bottom. We had to drive west 3 ft., and put in a stull for the protection of the men when drawing the stuff from the shaft was rotten, und giving away. We have replaced it with new, and several other improvements have been made. Stephens's engine-shaft has been sunk 7 fms. 4 ft., making 9 fms. below the 45. We have cut bearer-holes, put in cistern below the 45, fixed a new lift of pumps, cased and divided the shaft, with footway-rods und as forth, making it complete. Lang's wheel has been repaired with new wacking, also put in a small balance-bob, which is behind the wheel and working vell. For our future operations I should recommend the sinking of Matthew's that 6 ft. deeper, then take down the lode and drive east and west on its course, provided it prove good; also to commence the cross-cut north in this level to intersect the great north lode, which his hope to reach in about 12 fms.; and from the small branches crossing the shaft containing some copper underlyin

openimens from Johnson's lode, which is looking exceedingly cheering. As we divance with the drivage the ground continues of a favourable character for the roduction of copper ore, being a light coloured clay-slate interspersed with nundic, prian, &c. The machinery on the mine is in good condition, and runny very smoothly.

SOUTH CONDURROW.—Wm. Rich, Wm. Williams, H. King, Oct. 1: The tode in the 93, west of Marshall's shaft, has a kindly appearance, and carries a little tin, but not in sufficient quantities to value; the ground is easy for driving, and good progress is being made. We have set the stopes on tribute in this part of the mine. The stope in the back of the 93, east of King's shaft, is worth 124, per fathom. The 80 end east is worth 84, per fathom. The stope in the back a worth 104, per fathom. The 80 end east is worth 84, per fathom. The stope in the back a worth 104, per fathom. The stopes and pitches in the levels above are without material alteration.

SOUTH DARREN.—John Mitchell, Oct. 2: The 130 end west is about the same value as given last week—2 tons silver-lead ore per fathom. In the eastern and of this level we have out a cross joint, which is giving out a little water, dince which the lode has been stronger, containing spots of lead and copper. Che stopes are without particular change. We have a good supply of water, and are pushing on all work as fast as possible. We intend sampling 25 tons of silver lead ore on Saturday next for sale on Friday, Oct. 10.

SOUTH DEVON.—Wm. Hooper, Oct. 2: Satisfactory progress is being made in cutting the plat at the 120 fathom level west; the lode is from 4 to 5 ft. wide, worth 144, per fathom. This shall be pushed on as fast as possible, and I hope by the time it is completed we shall be in a position to resume the sinking of Martin's shaft. The lode in the 120, west of Martin's shaft, is full 5 ft. wide, with a most promising appearance, containing capel, spar, and copper ore to a value of 144, per fathom. It have been expecting to reach the cross-cour

nave struck a little tin in the south on hanging-wall. I am hoping as we dwanne it will open a good lode.

STANDARD LEAD.—W. H. Borlase, Oct. 2: The 45 forebreast is steadily improving for lead, and we are daily meeting with more water. I think we are nearing another junction. The new shaft is now sinking with a full staff—six niners and three labourers. I have set them a contract at 12. 10s. per fam, to lole to the rise, which if accomplished within eight weeks 10s. per fathom to be dded as a premium. The masonry for the wheel, &c., is progressing satis-actority.

TRESAVEAN.—J. Prisk, W. Edwards, Sept. 29: We have sent down another set of main rods and connected the balance-bob at the 75, which is working remarkably well, and a great assistance to our 90-in. engine, and will also reduce the consumption of coal. The shaftmen will now proceed with getting ready and sending down main rods to the 108, and every exertion will be made to fix the plunger as soon as possible, and commence draining the deeper levels. The tribute pitches throughout the mine are much as usual, and we have another parcel of tin in preparation, which will be sold at the usual time. The 90-in. engine is in good condition, and working well.

TREVAUNANCE UNITED.—W. Vivian, Oct 2: We are pushing on the work n the new engine-shaft with all practicable speed. The copper lode in the 55 fm.

TREVAINANCE UNITED.—W. Vivian, Oct 2: We are pushing on the work in the new engine-shaft with all practicable speed. The copper look in the 35 fm. level driving east is work: 20, per fathors.

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COPPER. — Messrs. JAMES LEWIS and Son, Liverpool, Oct. 1, write:—The variations in the value of Chilli bars during September have been confined within the narrow range of 10s. per ton. The consumptive demand has been large, but speculation has been quite dormant. The stock of Chilli bars is now unusually small—21,768 tons against 22,072 tons on Jan. 1, and they consequently command a comparatively high price. Transactions in furnace material have been on a moderate scale, but the large quantities of American ore and matte constantly arriving, nearly all of which was sold some time ago, have kept smelters well supplied: 10,000 tons (2000 bs.) of Lake Superior copper were sold by the Lake companies on Sept. 8 to American manufacturers, for delivery over the remainder of the year, at 13 cents per pound, equal to 50. 12s. 63. per ton of 2240 bs., without discount or commission. The production of the Lake Superior mines in August was 2633 tons (2240 bs.), equal to about 1974 tons fine against 2183 tons in July. For the first eight months of this year it has been 17,112 tons fine of 2240 bs., and allowing 8000 tons for the remaining four months, the total production promises to be about 25,000 tons fine. In estimates recently put forward from the United States it is given as 70,000,000 bs., or 31,000 tons, which evidently refers to the quantity of mineral produced, and which contains about 75 per cent, of copper, equal to about 23,000 tons fine, a discrepancy of some 8000 tons. The shipments of ore and matte from Montana in August are given as 7150 tons, representing about 2400 tons fine, a discrepancy of some 8000 tons. The shipments of ore and they will not be continued for some time, the miners having been discharged. The quantity of American copper to arrive here during the next three months will, therefore, probably be much less than anticipated. It is stated that copper has now reached a price in the United States at which it can be economically used for roofing purposes. The consumption of copper in, and expor has now reached a price in the United States at which it can be economically used for roofing purposes. The consumption of copper in, and export from, England continues on a most extraordinary scale, the deliveries for the past nine months having been 14,965 tons greater than last year, and 20,462 tons more than in 1382. The visible supply at present is 851 tons less than on Oct. 1, 1883, when values were 94, higher and 20,550 tons less than in 1880, when values were 64, per ton higher. The Chill charters for the past fortnight being to-day advised as only 900 tons, and the statistics proving so favourable, the market is very firm at an advance of 5s. per ton. The arrivals from Chill during the past month have been 2738 tons, and the deliveries 3081 tons, and from other countries 5223 and 5333 tons fine respectively. The Chill charters are 3500 tons ingots, 537 tons matte, and 8750 tons orce, equal to about 3028 tons fine copper. Total visible supply, 42,016 tons fine, against 43,572 tons on Sept. 1, 50,887 tons Oct. 1, 1883, and 47,754 tons Oct. 1, 1882.

COPPER,-Messrs. RICHARDSON and Co , Swansea (Oct. 1) write: COPPER.—Messrs. RICHARDSON and CO, Swansea (Oct. 1) write:—The imports of copper during the quarter ending Sept. 30 were—Ore. 14,417 tons; regulus, 5833 tons; copper, 880 tons; precipitate, 1528 tons. The exports of copper produce during the quarter amounted to 710 tons. The stocks of copper remaining unsold this day are—Ore, 7263 tons; regulus, 1194 tons; copper, 3576 tons; precipitate, 1025 tons; representing about 5.80 tons in fine copper. The copper market is fairly steady, but although statistics are notably favourable to higher prices the long-hoped-for improvement is tendy in arriving. The following sales have taken place during the past month:—148 tons metalline (regulus) at 10s. 3d., 525 tons Bolivian regulus at 10s. 6d., 170 tons Spanish ore at 10s., 203 tons Norwegian ore at 10s. 15d., 723 tons Betts Cove ore and 405 tons regulus at 9s. 45d., and 500 tons Chile regulus to arrive at 10s. 75d. per unit. Chile charters for second haif of August were reported as 1100 tons fine—350 tons bars and ingots, and 250 tons in regulus for England, and 500 tons tars for the Continent. For first half of September 2500 tons—1400 tons bars and ingots, and 250 tons in regulus for England, and 500 tons in logots, and 250 tons in

Oct.

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### TO THE METAL TRADE.

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### HENRY WIGGIN AND CO., (LATE EVANS AND ASKIN), NICKEL AND COBALT REFINERS,

# BIRMINGHAM. The Mining Market: Brices of Metals, Ores, &c.

	M)	ETAL MARKET-LONDON, OCT. 3, 1884.
IRON. &	. d. £ s.	d. Tin. £ s. d. £ s. d.
ig, 'GMB, f.o.b., Clyde 2		- English, ingot, f.o.b 51 10 0- 82 0 0
Scotch, all No. 1 2	2 3- 2 2	hars 82 10 0- 83 0 0
Bars Weish, f.o.b, Wales 5	0 0	refined 83 10 0- 84 0 0
" in London. 5 1	0 0	Australian 78 15 0- 79 5 0
	50	Banca
. in Tyne or Tees 5	0 0	Straits 78 7 6- 78 10 0
8 Swedish, London 9	0 0- 9 10	OPPER.
	0 0	
Blicets, Staff., in London 7	5 3- 7 10	0 Best selected 50 0 0- 60 0 0
Pla'es, ship, in London . 7 1	0 0-8 0	Sheets and sheathing. 63 0 0- 67 0 0
Hoops, Staff., 6	7 6	Flat Bottoms 66 0 0- 70 0 0
Nail rods, Staff., in Lon. 6	76	Wallaroo nom.
STEKI.		Burra, or P.O.C 60 0 0-
English spring 12	0 0-15 0	Other brands nom. 58 10 0- 60 0 0
cast30	0 0-45 0	0 Chili bars, g.o.b 54 0 0
Swedish, keg13		O OUICESILVER.
fag. ham13 1	0 0-14 10	0 Flasks, 75 lbs., war, 5 12 0
Rails at works 4 1:	26-5 0	DITOSPHOR RROWER.
Light, at works 5 1	2 6- 6 12	6 Alloys I, and II £107 0 0
LEAD.		V 115.0.0
English pig, common10 1		VI and VII 127 0 0
,, L.B11		105 0 0
, W.B11	2 5-11 5	Dura A Dura H 100 0 0
., sheet and bar11 1	2 6-11 15	BRASS.
pipe12	5 0	
, red13	5 0 14 0	
white14 1	0 0-18 10	Sheets
patent shot14	0 0	
Spanish10 12	2 6-10 15	Yel. met. sheath. & sheets 5%s-6 Tin-PLATES.* per box
Maintel per cwt		Charcoal, 1st quality 1 10-1 20
Ore 10 percent, per ton		2nd quality 0 18 0- 1 0 0
SPELTER.		Coke, 1st quality 0 16 0- 0 16 6
Silesian ordinary brands14 1	00	
special brands, 14 1	5 0	
Buglish Swanses15		
Sheet zine	0 0-17 15	o at Liverpool 12 0 0-
		· active poor minim,

At the works, is. to is. 6d. per box less for ordinary; 10s. per ton less for Canada; IX 6s. per box more than IC quoted above, and add 6s, for each X. Terus-plates 2s, per box below tin-plates of similar brands.

REMARKS.—During the past week our markets have been rather unsteady, and prices have fluctuated to some extent, particularly for tin. This has been caused not so much from any unfavourable feature in the metal market itself, but from the unsatisfactory influence produced by the advices received from other markets. A sort of semi-panic seems to be threatening, and the pinch is evidently most keenly felt by many of the weak holders, many of whom being forced to effect sales and cut further losses and risks. In other branches of commerce compromises are reported, combined with a general stagnation in trade, and that bears such a large influence upon our markets that holders of metals are actually making further sacrifices upon the already very low prices. As regards regular business there is evidence to show that a very fair number of transactions have been carried through. Large deliveries are reported in copper, the heaviest on record have been effected during the past month, but still the whole trade is bad, owing to the very unprofitable prices that are being realised. Many consumers are fully alive to the advantages to be derived from purchasing at current rates, and whilst we can soarcely look for any further material reduction in prices, unless a commercial crisis ensues, yet, at the same time, should prices be further reduced there is every reason to anticipate that the demand would be proportionately augmented.

The low reviews have far caused an enormous development in the demand.

rent rates, and whilst we can scarcely look for any further material reduction in prices, unless a commercial crisis ensues, yet, at the same time, should price be further reduced there is every reason to anticipate that the demand would be proportionately augmented.

The low prices have so far caused an enormous development in the demand, and further reduced rates would, probatly, tend to increased business. Present prices do not interfere with trade, they are much too low for that; nevertheless, it stands to reason that the lower prices descend the more inducement is afforded consumers to increase their purchases, the greater facilities are given for the promotion and encouragement of enterprise, and increased inducement is afforded to holders to enlarge their stocks. A panic might drive prices lower, but it would be only temporary. Buppliers cannot go on producing at lower, but it would be only temporary. Buppliers cannot go on producing at lower rates. Present prices in many instances only result in losses, and further requeed rates would only lead to the closing of more works, throwing more of the labouring classes out of employment, causing further reduced wages, and thus stimulating strikes throughout the kingdom, and causing general distress in all commercial circles. It would check supplies, whilst stocks would continue to be more and more reduced, because, as we have already said, consumers and shippers would continue to buy freely with reduced rates merely to increase their own private stocks, if not to meet their current frequirements, and the after result would be (that is to say, after the crisis, if it occurred, had path a sudden rebound in prices, and those who had been wavering between the two opinions would find themselves in the lurch, and prices considerably above the present low and unprofitable figure.

Buyers cannot be too deeply impressed with the advisability of effecting purchases at the present time, now is their season when everything is in their fauch and replenish their stocks. Pri

prosperous future.

COPPER.—This market has remained fairly steady, and holders have been tolerably firm in their quotations, and on Wednesday demanded slightly higher rates, owing to light charters from Chili for the last half of September, and which were advised as only 900 tons.

manded slightly higher rates, owing to light charters from Chili for the last half of September, and which were advised as only 900 tons. Advices from the Lake Superior copper mines show that since Jan. 1 last the production of mineral has been 19,334 tons, against 16,441 tons for the first half of 1883, and last year the Lake mines produced about 60,000,000 bles, and it is said that there is good reason to expect that this quantity will be increased to 70,000,000 bles this year, seeing the improved communications opened up by the Canadian Pacific Railway. Then as regards the Australian production, a recent report shows that in 1838 the quantity raised in New South Wales was \$1 tons, and in the following year 30 tons. Since then, with the exception of two or three years, there has been a steady increase, until in 1838 the quantity reached somes hat over 8567 tons.

The statistics that were published on Sept. 30 were more favourable than they have been for many years past, and bear the striking characteristics of the heaviest deliveries on record, the lightest stocks for a great number of years past, and nearly the lowest prices at which copper has ever been known. The deliveries are month were—12,455 tons, against 878 tons in the previous month \$235 tons in Reptember, 1833, and 916 tons in September, 1837. Whilst, however, the deliveries were the largest ever known, the supplies also bear the same characteristic, being 10,723 tons. The reduction in the stocks for the month was 1733 tons, the total stock on Sept. 32 amounting to 40,823 tons, against 49,695 tons at the end of September last year, when the price of Chill bars was 81, per ton higher than it is now, and 46,945 tons for the similar period of 1882, when the price was 172, per ton higher than what it is at the present time. The total charters from Chili for the 12 months eading September 30 were 43,200 tons.

IRON.—This market remains steady, but there is not much business doing, and there is no new feature worthy of comment. Buying both for the regula

metal, and prices have undergone considerable fluctuations. Holders for a time seemed to lose all control of the market, and transactions were recorded down to 781, 5s. per ton, which figure was touched yesterday morning; but afterwards some recovery took place, although the total loss for the whole week is very serious. It is, however, a matter of congratulation that the falling prices are not to be attributed so much to unfavourable features in this particular market as to unsatisfactory influences produced by outward causes—that is to say, the ill effects have arisen chiefly by the reported financial difficulties in other branches of commerce, together with the general trade depression. True the statistics published for last month are not very favourable, showing an increase in the total visible stock to 13,527 tons from 13,235 tons on Aug. 31; but this increase—only 291 tons—is not sufficient to have caused the enormous fall in prices.

The deliveries last month were not so large as they generally have been of late, amounting to only 1839 tons; in evertheless, this quantity is fully up to the average of previous Septembers, and, therefore, need not be considered in an altogether unsatisfactory light. The supplies from Straits to London last month were 975 tons, from Australia to London log tons; from London and Holland to America 395 tons, from Straits to America 325 tons, and from Australia to America 305 tons, from Straits to America 305 tons, and affort is added to be 2536 tons. Many of the weaker holder have been selling freely and the principal operators have let the market take its course, hence the heavy reduction of prices during the greater part of the week, but last night there was a change for the better, tin was more sought after, particularly for forward prompts. Prices have become slightly stiffer, and a smart rebound, therefore, does not seem at all improbable.

SPELTER is firm, at 14l. 10s. for ordinary and 14l. 15s. for special

LEAD is steady, and we quote 10l. 12s. 6d. to 10l. 15s. for Spanish and 10l. 17s. 6d. to 11l. for English pigs.

STEEL.—A moderate business continues to be transacted at STEEL.—A maltered prices.

Tin-Plates.—On the whole this market is quiet and prices for the most part are easy; nevertheless a few makers who have taken a fair number of orders keep firm in their quotations.

QUICKSILVER has been quiet all the past week, without change in the position. The production in California shows a further sensible

The MINING SHARE MARKET has been rather more depressed than usual this week, owing to the fall in the standards for tin ore, and very little business has been transacted either in tin, copper, or lead shares. Thus quotations are merely nominal, and not always to be relied upon. A few very low priced gold shares such as Hoover, Balkis, and others appear to have been largely dealt in.

TIN.—On Tuesday the smelters, as it was feared, reduced the standard for ore 2l. per ton, and shares in tin mines have been not only weaker, but less dealt in. Cook's Kitchen are now quoted 12 to 13; Carn Brea, 1½ to 1½; Dolcoaths are weaker, at 71 to 73; East Pool, 39½ to 40½; East Blue Hills, 3-16ths to 5-16ths; Killifreth, ½ to ½; New Kitty, 1½ to 1½; Suth Condurrow, 8½ to 9; South Frances, 6½ to 7; Tincroft, 7½ to 8; Trevaunance, 2 to 2½; West Basset, 2½ to 2½; West Godolphin, 1 to 1½; West Kittys have declined to 9¾, 10½; Wheal Agar, 16½ to 16½; Wheal Sasset, 2½ to 2½; Wheal Kelty (St. Agnes), ½ to ½; Wheal Cenville, 6 to 6½; Wheal Kitty (St. Agnes), ½ to ½; Wheal Cenville, 6 to 6½; Wheal Kitty (St. Agnes), ½ to ½; Wheal Agred up close there was a balance in favour of 511l. Captain J. Thomas, the manager of this mine as well as of Dolcoath, stated to the meeting that they were taking as well in a sthey were taking as well in a strength of the standard in the strength of the standard in th

there was a balance in favour of 5111. Captain J. Thomas, the manager of this mine as well as of Dolcoath, stated to the meeting that they were discovering four times as much tin as they were taking away, and he did not hesitate to say that they were opening up one of the finest courses of tin in the county of Cornwall. The produce of the lode for the past four months was 120 lbs. of tin to the ton, the highest produce of any mine in the county. Mounts Bay, \(\frac{1}{3}\) to \(\frac{1}{2}\); New Kitty, \(\frac{1}{3}\) to \(\frac{1}{2}\); Polberro, \(\frac{1}{3}\) to \(\frac{2}{3}\); South Kitty, \(\frac{1}{3}\) to \(\frac{1}{3}\); Polberro, \(\frac{1}{3}\) to \(\frac{2}{3}\); South Kitty, \(\frac{1}{3}\) to \(\frac{2}{3}\); West Phonix, 3-16ths to 5-16ths; Tresavean, \(\frac{1}{3}\) to \(\frac{2}{3}\); South Cro(\tau), \(\frac{1}{2}\) to \(\frac{2}{3}\); Both is steady, and the statistics of the month are favourable for a rise. In shares very little has been done or is doing, and quotations are mostly nominal. Bedford United, \(\frac{1}{3}\) to \(\frac{1}{3}\); Devon Great Consols, \(\frac{2}{3}\) to \(\frac{2}{3}\); Devon Friendship, \(\frac{2}{3}\) to \(\frac{1}{3}\); Gunnislake (Clitters), \(\frac{1}{3}\) to \(\frac{1}{3}\); Mellanens, \(\frac{1}{3}\) to 1\(\frac{1}{3}\); not on the original particulars of which will be found in another column, the accounts showed a loss on four months' working of 87tl, and a balance of liabilities over assets of 1481l. 19s. 7d. A call of 2s. per share was made. The agent stated that if the late discovery in the 102 east continued as it now was—and it is rather in the late of the late 14811. 19s. 7d. A call of 2s. per share was made. The agent stated that if the late discovery in the 102 east continued as it now was—and it is rather improving than otherwise—according not only to his, but to independent testimony, he could after a month pay the costs of the mine from returns, and the meeting was altogether very satisfactory and unanimous. As an instance of how the market is sometimes worked upon to the injury not only to individuals, but to shareholders collectively, the Chairman stated that on Friday last a nozzle of the engine broke, and on a letter to this effect reaching the office of the company, and becoming known, though it was of no importance whatever, a few shares were forced on the market and sold at a per share. In the presence of the on the market, and sold at 4s. per share. In the newspapers of the next day a fall of 4s. per share was announced in Prince of Wales. This, for a trifling accident that did no damage whatever to the mine, and was repaired at a cost to the company of less than 2l., was made the means of depreciating the mine to the extent of at least 2000l. West Crebor, 2s. to 2s. 6d.; the lode in the bottom level was made the means of depreciating the mine to the extent of at least 2000l. West Crebor, 2s. to 2s. 6d.; the lode in the bottom level is 2\frac{1}{2} ft. wide, of quartz, capel, mundio, and a little copper ore, and the agent thinks it looks like further improvement. The New Caradon, \frac{1}{2} to \frac{1}{2}; the lode lately out here is looking better. New West Caradon, \frac{1}{2} to \frac{1}{2}; the lode lately out here is looking better. New West Caradon, \frac{1}{2} to \frac{1}{2}; the lode lately out in the back of the 17 fm. level is now 1 ft. wide, and worth 1 ton of ore per fathom. Wheal Crebor, 1 to 1\frac{1}{2}; New Cook's Kitchen, 1 to 1\frac{1}{2}; South Caradon, \frac{1}{2} to \frac{1}{2

are quoted \$ to \$\frac{2}{3}\$; Capt. Hodge, of Wheal Grenville, has inspected and reported upon this mine, and he thinks profits and dividends may be made from the old mine, while the western discovery be opened up with the capital provided. Great Laxey, 8\frac{1}{2}\$ to \$\frac{3}{2}\$; Old Shepherds, \$\frac{1}{2}\$ to \$\frac{3}{2}\$; New Iangford, \$\frac{1}{2}\$ to \$\frac{3}{2}\$; East Wheal Rose, \$\frac{3}{2}\$ to \$\frac{3}{2}\$; Weardals, Fopulos Mirror Thomas Transformed T

of San Caeytano de la Ovejera for the week ending Sept. 27, is \$820, and on El Diamante \$30. I intend remitting to the directors by next mail \$15,000. Western Andes, 4½ to 5.

THE MARKET FOR MINE SHARES on the Stock Exchange remain without material improvement, as regards either amount of business or current quotations; but there is a decidedly more cheerful feeling, and the opinion is very general that we are on the eve of a great advance, the result being that several new companies have issued, or are preparing to issue, their prospectuses. In connection with the suspension of the Egyptian Sinking Fund, a Reuter's telegram just received from Cairo states that the International Tribunals willopes suspension of the hyppitan Sinking Fund, a Reuter's telegram just received from Cairo states that the International Tribunals willoges to-morrow, after the Curban Bairam holidays, when the Caisse of the Public Debt will institute legal proceedings, in consequence of the suspension of the Sinking Fund, against the Egyptian Government, and, personally, against the provincial governors, the directors of railways, and customs. The Caisse of the Public Debt will attact the property of Ali Riza Pacha, a rich landowner and native director of railways. It was remarked in this place last week that very few men of business cared about the Franchise and anti-peerage agistion now going on, and it seems that not only is this view correst, but that—at least so far as the Franchise Bill is concerned—their difference is not confined to men of business, for Sir Thomas Gistone, the Prime Minister's brother, writing to a correspondent, says:—"I cannot suppose that the opinion of a stranger to you can have any weight; but as you ask me I beg to state that until the recent agitation the unenfranchised rural classes in my part of Scotland knew nothing and cared as little for the proposed enfrachisement, though the unserupulous means used have succeeded in awakening some of them to a want they were not till now conscious awakening some of them to a want they were not till now conscious of. The really anxious are those who wish to obtain their votes.

Assuming then that the whole agitation is a mere "storm in a test."

cup" for electioneering, it may be hoped that as soon as the Autuma Session has been held, and this fact brought to light, there will bea general revival in business. The market, however, closes very dull. Our usual telegram from Cornwall this evening says:—During the Session has been held, and this fact brought to light, there will be a general revival in business. The market, however, closes very dull. Our usual telegram from Cornwall this evening says:—During the past week the Cornish Mine Share Market has been quiet, with few transactions following the London market. The Cornish smelten on Tuesday reduced the tin standards 21, per ton, standards now being—common 71s., superior common 73s., and refined 75s. per cwt. It is satisfactory that the leading shares have not been med affected, and sellers are rather shy in parting with their holding At Redruth yesterday 828 tons of copper realised 28561, the standar remaining unaltered. At West Wheal Frances meeting yesterday the accounts showed a profit of 1951. on four months working, and a total credit balance of 5111. Capt. Josiah Thomas remarked that they had four times as much tin as they had taken away, and they were opening one of the richest bunches of tin in Cornwall. Capt. James Bennetts has been appointed pursor and manager of St. Just United at 10 guineas a month.

The Norway Phosphate Company, with a capital of 100,0001, in shares of 101. each, has been formed for the purpose of purchasing for 60,0001. (of which 15,0001, is taken in cash and the remainder in fully-paid shares), and working certain mining rights of phosphate of lime on the Haukedal property, Norway. The prospectus, which will be found in another column, states that the property is situated between Stadthelle and Kragero, on the south-east coast of Norway, and adjoining the famous Oedergarden Phosphate Mines, which are working if

between Stadthelle and Kragero, on the south-east coast of Norwal and adjoining the famous Oedergarden Phosphate Mines, which are working a great profit. Of the 4500 shares allotted to the vendors, 400 are to receive dividend until 10 per cent. per annum has been paid on the ordinary share will be applied to the payment of a similar of wid-nd on the 400 vendor's share will be applied to the payment of a similar of wid-nd on the 400 vendor's share. any balance of profit available and appropriated for dividend after that payment will be applied to the payment of a similar q vid-nd on the 4000 vendor's share, and any further excess will be divided without distinction amongst the share, holders. Samples of the phosphates, and the result of Dr. Voelcker's analyse, have been submitted to one of the leading firmsjor phosphate brokers in Losdow who stated that for this high-class mineral there is practically an entimeter of the samples and the value of the samples were respectively for the samples were respectively for the samples were respectively for reported—No. 1, 80.25 per cent.; No. 2, 89-13 per cent.; No. 3, 89-96 per cent. Thesein phosphate of lime; and he add sthat they are very high class, and remarkably free from alumins and carbonate of lime. Though hard they are streamy of the tougher varieties of phosphates, such as Spanish. The director are informed that from the adjoining Freenoth company's mine, the decegnate, the exports for the year 1822 amounted to 16,000 tons, a large proportion which averaged 90 per cent., and yielded returns of about 110,000. The government of the property being within two miles of the coast the cost of carriage would be smallered to the total cost of mining and the mineral could be transported on a wire tranway, as at the adjoining mine, at a mere nominal cost. It is estimated that the total cost of mining and the mineral could be transported on a wire tranway, as at he adjoining mine, at a mere nominal cost. It is estimated that the total cost of mining and the mineral could be transported on a wire tranway, as at the adjoining mine, at a mere nominal cost. It is estimated that the total cost of mining and the mineral could be transported on a wire tranway, as at the adjoining mine, at a mere nominal cost. It is estimated that the total cost of mining and the mineral could be transported on a wire tranway, as the adjoining and the mineral could be transported on a wire tranway, as the report of the markets. The company h

each. The enterprise was fully referred to in the Mining Journal Aug. 9. The object of the company is the construction of a data Barry Island, seven miles from Cardiff, and within the Port

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Drakewalls, # to #; good progress is now being made in clearing the shaft below the 92, and in about a week or ten days it is hoped

the shaft below the 192, and in about a week or ten days it is hoped the shaft will be clear to the 102. Home Mines Trust, 13-16ths to 15-16ths, and a very firm market is reported, the feeling appearing to be pretty general that several important sales have yet to be covered, and as Monday is buying-in day a further important rise is anticipated. There is general expectancy expressed as to the forthcoming annual report and balancesheet, but in well-informed circles considerable buying has been going on in anticipation of the coming dividend.

Kit Hill Great Consols, \(\frac{1}{2}\) to \(\frac{1}{2}\); the great tunnel level has been driven 15 ft., where the granite is of a soft nature, and congenial for the production of mineral.

for the production of mineral.

South Devon United, \(\frac{1}{2}\) to \(\frac{1}{2}\); satisfactory progress is being made at the 120, west of shaft, where the lode is worth 14\(\llow{l}\) per fathom. In driving the 120, west of Martin's shaft, the lode is fall 5 ft. wide, and worth 14\(\llow{l}\). per fathom. The lode in No. 1 stope is being worked by 10 men, and is worth 12\(\llow{l}\). per fathom, and No. 2 stope is worth \(\frac{1}{2}\). per fathom.

100, per fathom.

Ruby and Dunderberg,  $\frac{5}{6}$  to  $\frac{7}{6}$ ; the weekly report advises that connection between the Tunnel and the west shaft of the Lord Byron Mine had at last been made, and that some tributers had set to work here at once on some ore already in sight. It is hoped this new find will enable the management to considerably increase the country theory.

to work here at once on some ore already in sight. It is hoped this new find will enable the management to considerably increase the catput shortly.

In Lead Mine Shares there has been no material change, but prices have suffered no further decline, and the general prospects are regarded as more hopeful. Satisfactory work appears to be now going on in Durham; the report of the statutory meeting of the Burnhope Lead Mining Company is published in another coluun. It will be remembered that at the opening of this mine a very rich vein of lead ore was met with, estimated to yield in some parts from 16 to 20 tons per fathom of galena, and about 7000%, worth of ore has been raised from the top sills, but not having pumping machinery the mine got flooded with water, stopping operations for a time. A pumping-engine has been put down and a main shaft sunk 200 ft., at which depth fine lead ore has been found in the same vein immediately under the rich course in the higher sills; and the ore is still going down, proving the mine is holding out in depth. A vast quantity of productive ground is being laid open, and new crushing and dressing machinery of the most improved principle is being erected. The low level is being pushed forward in a strong north and south vein, from 5 to 6 ft. wide, and in a few weeks a powerful east and west vein will be cut; and as the ground on both sides of this vein has been very productive it is causing a great deal of excitement in the distict, and as the mine only requires more efficient machinery to keep pass with the output of which it is capable the shareholders congratulate themselves on the possession of a royalty which promises, when developed, to be second to none in the North of England.

Ecton, 1 to 1½; some very good news has just been received from these mines. It appears that while the men were dressing down the sides of the Clayton shaft to put it in proper order for resuming active operations in the deep levels they came upon some patches of one left by the old workers. These w

deposit like that which many years ago produced the great returns for which these mines were so celebrated. We are also informed that a well-known engineer who has this week inspected the mine writes: "I think you may now set your minds at rest about this mine, as the mineral is unquestionably here in large quantities." It is further stated that an improvement has set in at other parts of the company's property.

is further stated that an improvement has set in at other pass of the company's property.

Roman Gravels, 3½ to 3¾; the half-yearly general meeting was held on Wednesday, when a dividend of 2s. 6d. per share was declared. From the report of the proceedings in another column it will be seen that a long discussion took place with regard to the high rate of royalties paid, notwithstanding the present greatly depressed price for lead ores, being about 6l. 10s. to 7l., as against 14l. to 17l. formerly. The Chairman expressed his opinion that great injustice was pursued by the mine lord in not coming to an amicable arrangement with the company, and it is yet to be hoped that he will do so.

Leadhills, 1½ to 1½; at the meeting on Wednesday a dividend of

Leadhills, 1½ to 1½; at the meeting on Wednesday a dividend of is. 6d. per share was declared. Full particulars of the proceedings will be found in another column, and will be read with interest. For any mine lord, writes a correspondent, to "insist on charging a support the heavy weight of recording to consist of the produce. 15. 6d. per share was declared. Full particulars of the proceedings will be found in another column, and will be read with interest. For any mine lord, writes a correspondent, to "insist on charging a papany the heavy weight of royalty of one-ninth of the produce with lead ores selling at about 64. to 64. 10s. per ton, the same as

when ores were selling at 15t. to 16t. per ton is, to say the least, a most illiberal proceeding, and it is no wonder that the shareholders at the meeting expressed dissatisfaction at such conduct. It appears from the proceedings at the meeting that his lordship has only recently been to the mine, and expressed his appreciation of the development of the property and the surface arrangements for dressing the ores, as well as the smelting operations and the various improvements to the property, and by which his royalty has been increased. It is, therefore, to be hoped that his lordship will further consider the matter favourably to the company as his tenants."

In reference to the affairs of the Wabsah, St. Louis, and Pacific Railway Company, the Railway Share Trust Company, at the request of Mr. Joy, the President of the above company (who is now in England), announce a meeting of the bondholders on Friday next, when Mr. Joy will attend and explain the position of the company. That gentleman, in a circular, issued by him, states:—"I find the financial position of the company made it absolutely necessary that I should consult with the bondholders in regard to the measures to be adopted for the board's relief, and to ascertain if the plan submitted as it is, or with any agreed modification, will be accepted by the bondholders."

Messrs. C. de Murrieta and Co. announce that they are authorised to pay the 18th dividend on shares registered to receive payment in London of the Banco Nacional, Buenos Ayres, the amount payable being the equivalent of six hard dollars per share of \$100, less expenses.

Messrs. I. Thomson, T. Bonar and Co., notify that the dividend

expenses.

Messrs. I. Thomson, T. Bonar and Co., notify that the dividend for the half-year ended June 30 of the Tournay to Jurbise, and Landen to Hasselt Railway Company has been fixed at the rate of 6s. per preference share, and 6s. 2d. per dividend share. The coupons will be cashed on and after Oct. 1, either at Brussels or in London. It is notified that the half yearly coupons for interest on the bonds of the Ottoman Defence Loan, 1877, due Oct. 10, will be paid on and after that date by Messrs. Glyn, Mills, Currie, and Co.

### THE MINERAL PHOSPHATE INDUSTRY.

THE MINERAL PHOSPHATE INDUSTRY.

For some time past the valuable deposits of phosphate of lime met with in Norway and in Canada have been turned to commercial account, with results that cannot but be gratifying to all concerned, yet comparatively little British capital has hitherto been invested in them. An opportunity, however, is now afforded to repair the omission, the Norway Phosphate Company, with a capital of 100,0002, in shares of 102. each, having been formed to acquire some valuable phosphate of lime mining rights on the Haukedal property, about 20 miles from Kragero, in the province of Bratsberg. It is considered that the Haukedal phosphate deposits contain all the elements of a genuine investment of extraordinary promise. The success met with on the adjoining property, referred to below, confirms the conclusions arrived at by the experts as to the extent and richness of the beds. The amount to be paid the vendor in cash (15,0002,) will, it is said, barely recoup him his outlay to date for the purchase of the property, exploratory work already done, and expenses incurred: so that he depends mainly for his profit upon his deferred shares, and will reap none unless the company is a success. In order to protect the interests of those who subscribe the working capital, the Articles of Association provide that the holders of share warrants to bearer, which will represent the vendor's deferred shares, will not be entitled to any votes at the general meetings of the company, in respect of such shares. The control of affairs is, therefore, effectually secured to the ordinary shareholders.

The phosphate is of the very highest class, of which very little has yet been discovered in the world. It can be placed in England at a total cost of 22, per ton, which leaves a very wide margin for profit. This calculation is based on a thickness of 12 in. has been already reached. The adjoining property has been worked with great success for more than seven years, and has made the fortunes of its owners. It has recently e

VICTORIA GOLD (Venezuela).—The lode has been cut in the adit level, worth 3 ozs. of gold per ton, thus proving the mine to be rich in depth. The failure of Scholl's patent stamps is to be greatly deplored, as very considerable delay has been caused thereby. However, arrangements are being made for fully equipping the mine with machinery of the same kind as that in use at El Callao. The result may now be considered beyond the shadow of a doubt. Thus 10 may now be considered beyond the shadow of a doubt. Thus 10 heads of stamps, crushing (say) 12 tons of quartz per day, worth only 2 ozs. of gold per ton, would yield 600 ozs. of gold per month, value 2400*l*., leaving a profit of about 2000*l*. per month.

Bratsberg.—The settled produce of the bulk of the ore, per John Evans, is  $22\frac{3}{8}$ , and the price is 1iI. 8s. 5d. per ton.

NEDENÆS COPPER MINES.—By further advices up to Sept. 25 these mines continue to look well, and in the 50 fm. level cross-cut these mines continue to look well, and in the of this. level cross-cut to north lode they have come into a large course of mundic, which is a most favourable indication of soon meeting with good copper in this lode, as was the case in Skytmur lode, now turning out so well. This week they intended laying their ore-heap for calcining.

Mr. Napier writes—" I am pleased to see such good ore being raised from Skytmur Mine. I have every confidence that it will smelt well, and give a good sequips." and give a good regulus."

OSCAR GOLD MINE.—By advices, dated Sept. 24, it is stated that the north-east level still continues rich for gold.

The West RITTY District.—Dealers in the following lime shares are this day quoting:—Polbero, 1½ to 2½; Trevaunance, 2 to 2½; West Polbreen, 10s. to 15s.; and it is stated that these shares have advanced because of the highly satisfactory state of the mines, as shown at the recent meetings of shareholders.

At Redruth Ticketing, on Thursday, 828 tons of ore of 8 average produce, and containing 66 tons 1 cwt. of fine copper, were sold for 2826*l*. 17s. 6d., being 3*l*. 8s. 6d. per ton of ore, 8s. 6\(\frac{3}{4}\)d. per unit, or 42*l*. 16s, per ton of fine copper in the ore, and an average standard of 77*l*. 5s. Subjoined are the particulars of the two last sales.—

Date. Tons. Standard. Produce. Per ton. Per unit. Ore copper. Sept. 18 ... 2289 ... 428 4 0 ... 5\(\frac{5}{6}\) ... 42 9 0 ... 8s. 2\(\frac{5}{6}\)d. ... £41 10 6 Oct. 2 ... 833 ... 77 5 0 ... 8 ... 3 8 6 ... 8 6\(\frac{5}{6}\)d. 42 16 0 Compared with the last sale the standard has been stationary.

COLLIERY MANAGER. — REQUIRED AT NCE, a FIRST-CLASS MANAGER to superintend an extensive undertaking

C. PASS AND SON, BRISTOL,

LEAD ASHES, SULPHATE OF LEAD, LEAD SLAGS, ANTIMONIAL LEAD, COPPER MATTE, TIN ASHES, &c., and DROSS or ORES containing COPPER, LEAD, AND ANTIMONY.

GEO. G. BLACKWELL, 26, CHAPEL STREET, LIVERPOOL, MANGANESE, BARYTES, SPARS, and ALL ORES on SALE or PURCHASE.

### ASSAYING.

Mr. EDGAR JACKSON,
(Assoc. R. S. M., F. I. C.)
RECEIVES PUPILS, and ASSAYS ALL KINDS OF ORES. 106, QUEEN VICTORIA STREET, LONDON, E.C.

### JOHN LYSAGHT (LIMITED), BRISTOL SPELTER WORKS.

BUYERS OF ZINC ASHES, ZINC OXIDE, HARD SPELTER, CALAMINE, &c.

### MESSRS. J. AND J. BANNER, BROKERS

LEITH OFFICES, LIVERPOOL.

BUYERS AND SELLERS OF MINES, MINERALS, &c. COMPANIES FORMED ON EQUITABLE TERMS.

# A. JONES, MINING ENGINEER,

GIJON (ASTURIAS), SPAIN.

Mines inspected and reported on. Assays and valuations effected. Has on hand offers of Mines of Copper, Calamine, Blende, Phosphat of Lime, Tin, Lead, Iron, Manganese, and Manganiferous Iron Ores.

### MURRAY ASTON,

MINING AGENT,

CHRISTCHURCH, CANTERBURY, NEW ZEALAND. Mines and other properties in any part of Australasia inspected.

Reports by Government Geologists procured where required.

Terms very moderate, and expense of sending Engineer from England avoided.

Address Cablegrams, "ASTON, CHRISTCHURCH.

RICHARD PROVIS,
STUD. INST. C.E.,
LAND AND MINE SURVEYOR,

CAMBORNE, CORNWALL, PREPARES MINING PLANS AND SECTIONS, AND UNDERTAKES GENERAL SURVEYS.

J. H. COLLINS, F.G.S., &c., CHEMICAL AND MINING ENGINEER,

(Four years Chief Chemist and Metallurgist to the Rio Tinto Company, 13 years experience in Cornwall,
Author of numerous works on Mining and Mineralogy)
ADVISES ON GENERAL OHEMICAL AND MINING MATTERS, AND
ESPECIALLY ON THE TREATMENT OF MIXED AND LOW-CLASS ORES.

ADDRESS-54, COLEMAN STREET, LONDON, E.C.

### NICKEL AND GERMAN SILVER WORKS.

GERMAN SILVER, SHEET and WIRE, suitable for HOME and all FOREIGN MARKETS. BARKER AND ALLEN, OOZELL STREET NORTH, BIRMINGHAM.

R. W. B. COBB, 29, BISHOPSGATE STREET WITHIN,
Special information and business in all mines in the United States of Colombia—Tolima, Western Andes, Colombian, and other gold and silver mines in
that country.
In direct communication each mail with the highest mining authority in
Colombia, through whose private advices I am able to give most valuable information as to mines in the Tolima district, and other mines in the country.

MESSRS. PENNINGTON AND CO., SWORN BROKERS AND SHARE DEALERS, 13, MOORGATE STREET, LONDON, E.C. BUSINESS in all DESCRIPTIONS of STOCKS, MINING and other SHARES. ESTABLISHED 1869—BANKERS: ALLIANCE (Limited).

ESTABLISHED 1869—BANKERS: ALLIANCE (Limited).

M. B. W. MARLBOROUGH, STOCK AND SHARE DEALER, 29, BISHOPSGATE STREET, LONDON, E.C (Established 30 Years), 20 Asankoo, 8s. 35 Eberhardt, 5s. 6d. 40 Frontino, 13s. 9d. 20 Oscar Gold, 10s paid, 15s Balkis, 3s. 9d. 40 Formotino, 13s. 9d. 20 Oscar Gold, 10s paid, 25 Gorsedd, 2s. 30 Great Holway, 5s. 9d. 20 Port Phillip, 2s. 3d. 20 Hostaberg, £1 7s. 6d. 30 Great Holway, 5s. 9d. 20 Port Phillip, 2s. 3d. 20 Port Phillip, 2s. 3d. 20 Port Phillip, 2s. 3d. 20 Leadhills, £1 8s. 9d. 20 Port Phillip, 2s. 3d. 40 Leadhills, £1 8s. 9d. 20 Port Phillip, 2s. 3d. 40 Leadhills, £1 8s. 9d. 20 Port Phillip, 2s. 3d. 40 Leadhills, £1 8s. 9d. 20 Port Phillip, 2s. 3d. 40 Leadhills, £1 8s. 9d. 20 Roman Gravels, £37e 6 25 Collab Sis, 9s. 6d. 25 Montana, £1 11s. 3d. 25 Montana, £1 11s. 3d. 20 M

PURCHASES FOR FORWARD DELIVERY AT SPECIAL PRICES ON RECEIPT OF DEPOSIT OF 20 PER CENT.

IN THE MATTER OF THE COMPANIES ACTS, 1862 AND 1887; AND IN THE MATTER OF THE LAST CHANCE CONSOLIDATED

well. This week they intended laying their ore-heap for calcining.

Mr. Napier writes—" I am pleased to see such good ore being raised from Skytmur Mine. I have every confidence that it will smelt well, and give a good regulus."

OSCAR GOLD MINE.—By advices, dated Sept. 24, it is stated that the north-east level still continues rich for gold.

THE WEST KITTY DISTRIT.—Dealers in the following mine thares are this day quoting:—Polberro, 1½ to 2½; Trevaunance, 2 to that save advanced because of their shift and prove their said debts or claims at such time and place as may be specified in such notice; or, in default thave advanced because of their best its stated that these shares are this day quoting:—Polberro, 1½ to 2½; Trevaunance, 2 to that these shares have advanced because of the highly satisfactory state of the mines, as shown at the recent meetings of shareholders.

At Redruth Ticketing, on Thursday, 828 tons of ore of 8 average

IN THE MATTER OF THE LAST CHANCE CONSOLIDATED SILVER MINING COMPANY (LIMITED).

THE WATTER OF THE LAST CHANCE CONSOLIDATED SILVER MINING COMPANY (LIMITED).

SILVER MINING COMPANY (LIMITED).

THE CREDITORS of the ABOVE-NAMED COMPANY are required, on or before the 15th day of November, 1884, to 8END IN their NAMES and ADDRESSES, and particulars of their DEBTS or CLAIMS, and the names and addresses of their solicitors (farry), to the Hon. Ashley G. Ponsony of the said company; and, if so required by notice in writing from the said company; and, if so required by notice in writing from the said company; and, if so required by notice in writing from the said company; and, if so required by notice in writing from the said company; and, if so required by notice in writing from the said company; and, if so required to company; and, if so required on particulars of their DEBTS or CLAIMS, and the names and addresses of their solicitors, to come in and prove their claims as such time and place as may be specified in such notice; or, in default by the premptorily EXCLUDED from the BERTS or CLA

MINING ENGINEER of long standing is OPEN to an APPOINTMENT at home or abroad, or to inspect and report. Thoroughly competent. Is a skilled accountant. Good testimonials and references. Address, "Y.," MINING JOURNAL Office, 26, Fleet-street, E.C.

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LONDON, E.C. ESTABLISHED UPWARDS OF FORTY YEARS.

MESSRS. WATSON BROTHERS, in referring to their public Circular in the Mining Journal, would also observe that they BUY and SELL SHARES at the nett market prices of the day in all well-established and respectable Mining Companies; also in English and Foreign Funds Railway Stocks, to.

CLOCKS.

NEW ILLUSTRATED CATALOGUE of High-Class Watches and Clocks at Reduced Prices sent Post Free on application to E. DENT & CO., Haters to the Guern, 61, Strand, London, W.C.; or 35. Royal Exchange, E.C.

NEW FOREST, HANTS.

BY ORDER OF THE COMMISSIONER IN CHARGE OF HER MAJESTY'S WOODS, FORESTS, &c.

O BE SOLD, BY AUCTION, at Lyndhurst, by Messrs. F. ELLEN and SON, on THURSDAY, October 9, 1884, at Three o'clock in the after-

117,100 SCOTCH FIR POLES, suitable for Pit Props, Railway Sleepers, &c.; 300 LARCH POLES, suitable for Fencing, &c.; and 500 LARGE BEECH POLES.

talogues and conditions of sale, with further particulars, may be obtained pplication to the Hon. G. W. LASCELLES, the Queen's House, Lyndhurst, is; or to the Auctioneers, Andover.

THE COMMISSIONERS OF SEWERS FOR THE LEVELS of CALDICOT and WENTLORGE, in the County of Monmouth, REQUIRE the SERVICES of an experienced VALUER OF MASONEY and EARTHWORK to INSPECT the WALLS and other SEA DEFENCES on both Levels, and assess the sum required (1) for putting the same into an efficient state of repair; and (2) the cost on an average of years to maintain the same when so repaired with a view to commute the liabilities by payment of an annual rent charge.

state of repair; and is, so when so repaired with a view to commute the Hammes by property when so repaired with a view to commute the Hammes by property.

The Level of Caldicot extends from the mouth of the River Wye, near Chepstow, to the mouth of the Usk at Newport; and the Level of Wentlorge from the mouth of the River Usk, at Newport, to Rumney Bridge, near Cardiff, a distance in the whole of about 35 miles.

No expenses incurred before appointment by any of the candidates will be No expenses incurred before appointment by any of the candidates.

No expenses incurred to the series of the kind indispensable.

Previous experience in Engineering Work of the kind indispensable.

Applications, stating amount of remuneration required, to be sent in to the adersigned on or before 18th October instant.

By Order,

H. STAFFORD GUSTARD,

Clerk to the Commissioners.

THE LEADHILLS SILVER-LEAD MINING AND SMELTING COMPANY (LIMITED).

Notice is hereby given, that the Directors have this day declared a DIVIDEND of ONE SHILLING AND SIXPENCE per share, free of income tax, PAYABLE on and after THURSDAY, the 16th inst., to the shareholders now on the books of the company.

By Order, FELIX F. WILSON, Secretary.

30 Finsbury-circus, London, E.C., 1st October, 1884.

ROMAN GRAVELS MINING COMPANY (LIMITED).

Notice is hereby given, that the Directors have this day declared a DIVIDEND of TWO SHILLINGS AND SIXPENCE per share, free of income tax, PAYABLE on and after THURSDAY, the 16th inst., to the shareholders now on the books of the company.

By Order, FELIX F. WILSON, Secretary.

30, Finsbury-circus, London, E.C., 1st October, 1884.

NEW SOUTH WALES GOVERNMENT THREE-AND-A-HALF PER CENT INSCRIBED STOCK. ISSUE OF £5,500,000, REPAYABLE AT PAR 1ST OCTOBER, 1924. First Dividend, being Six Months' Interest, payable 1st April, 1885 MINIMUM PRICE OF ISSUE, 92 PER CENT.

Authorised by the Colonial Parliament under Acts 44 Victoria, No. 28, and 46 Victoria, No. 12, for the construction of Railways and other Public Works, and secured upon the Consolidated Revenues of

The GOVERNOR and COMPANY of the BANK OF ENGLAND give notice that they are authorised to RECEIVE on TUESDAY, 7th October next, TENDERS for £5,500,000 New South Wales Three-and-a-Half per Cent. Inscribed Stock, repayable at par 1st October,

1924.
The books of the Stock will be kept at the Bank of England, where all assignments and transfers will be made. Holders of the Stock will be able, on payment of the usual fees, to take out Stock Certificates to Bearer, with coupons attached, which Certificates may be re-inscribed into Stock at the will of the holder.
All Transfers and Stock Certificates will be free of Stamp Duty. The Dividends on the Stock will be payable at the Bank of England half-yearly, on 1st April and 1st October, and the first six months' interest, calculated upon the nominal amount of Stock, will be payable 1st April, 1885.
Dividend Warrants will be transmitted by post if desired.

be payable 1st April, 1885.

Dividend Warrants will be transmitted by post if desired.

By the Act 40 and 41 Vic. ch. 59, the Revenues of the Colony of New South Wales alone will be liable in respect of this Stock and the Dividends thereon, and the Consolidated Fund of the United Kingdom and the Commissioners of Her Majesty's Treasury will not be directly or indirectly liable or responsible for the payment of the Stock or of the Dividends thereon, or for any matter relating thereto.

Tenders may be for the whole or any part of the Stock, and must state what amount of money will be given for every £100 of Stock. Tenders for other than even hundreds of Stock, or at a price including fractions of a shilling other than sixpence, will not be accepted. Tenders are to be delivered at the Chief Cashier's Office of the Bank Tenders are to be delivered at the Chief Cashier's Office of the Bank of England before two o'clock on Tuesday, 7th October, 1884. Tenders at different-prices must be on separate forms. The amount of Stock applied for must be written on the outside of the tender. The minimum price, below which no tender will be accepted, has been fixed at £92 per cent.

A deposit of five per cent on the amount of Stock tendered for must be paid at the same office at the time of the delivery of the tender, and the deposit must not be enclosed in the tender. Where

tender, and the deposit must not be enclosed in the tender. Where no aliotment is made the deposit will be returned, and in case of partial allotment the balance of the deposit will be applied towards the first instalment. In the event of the receipt of tenders for a larger amount of Stock than that proposed to be issued at or above the minimum price, the tenders at the lowest price accepted will be subject to a pro rate

The dates at which the further payments on account of the Loan will be required, are as follows:-

On Tuesday, 21st October, 1884,

Seventy-five Pounds (Sterling) to be paid for each hundred pounds of Stock, On Thursday, 20th November, 1884, £10 per cent. On Wednesday, 14th January, 1885, £25 per cent. Cn Wednesday, 18th February, 1885, £20 per cent. Cn Monday, 23rd March, 1885, £20 per cent.

Cn Monday, 23rd March, 1885, £20 per cent.
The instalments may be paid in full on or after the 21st October, trder discount at the rate of £2½ per cent, per annum. In case of default in the payment of any instalment at its proper date the cit osit and instalments previously paid will be liable to forfeiture. Feript Certificates to bearer, with a coupon attached for the first dividend, payable 1st April, 1885, will be issued in exchange for the provisional receipts.
The Stock will be inscribed in the Bank Books on or after the first March, 1885, but Scrip paid up in full in anticipation may be feet this particular than the company to the content of the conten

forthwith inscribed.

No tender will be received unless upon the printed form, which can be obtained at the Chief Cashier's Office, Bank of England, and of N'ess. MULLENS, MABSHALL, and Co., Stock Brokers, 4, Lombardsteet, London, E.C., and of the Agent-General for the Government of New South Wales, 8, Westminster chambers, Victoria-street, S.W. Bank of England, London, 29th September, 1884

### Notices to Correspondents.

FERRICH CROWN JEWEIS—"L. K. J." (Beaumont square).—We suppose the Pitt diamond is still among the French crown jewels; its weight is 136% carats, and it has been valued at 135,000%, but it seems that in 1701 Pitt bought it of Jamobund for 12,500%, or as some say, for 1000%, from a sailor who had murdered the slave to whom it belonged. It is a very fine stone, but except for its historical value would certainly be dear at 2000%. Including this the French crown jewels were stated in 1875 to consist of nearly 80,000 stones—diamonds, pearls, rubles, sapphires, topazes, and a few others, weighing in all under 20,000 carats, so that 150,000% would at the present time be more than a dealer would give for them; but it is hoped that purchasers will be found outside the wholesale market, and that, therefore, some of the historical stones—such as those of Duchess Anne of Brittany, and Cardinal Richelleu, for example—may be got off at fancy prices. For years pat diamonds have ceased to be a good investment.

HONY AND TRELAWLY—"Shareholder."—We have written out it.

ample—may be got off at fancy prices. For years past diamonds have ceased to be a good investment.

HONY AND TRELAWNY—"Shareholder."—We have written nothing disparaging of the mines, and know nothing of them beyond what has been published in the Journal. The remarks of which you complain are in "Watson Brothers Mining Circular," which is an advertisement as much as those of any of the other dealers who use the front page. The Editor would not interfere with an advertisement unless it were libellous, and would then merely exclude it. Messrs. H. R. Lewis and Co., and Messrs. Watson Brothers are, no doubt, equally respectable and reliable, but neither have any connection directly or indirectly with the proprietorship of the Mining Journal, and never at any time had such connection. The question of reworking abandoned mines is a large one, and we cannot answer of-hand whether the remarks are justifiable or not; but "those who live in glass houses should not throw stones." When Messrs. Watson Brothers or the firm under its old name, undertook the reworking of the Parys Mine after its abandonment by Messrs. John Taylor and Sons, they received much worse castigation from the late Mr. John Taylor (who was a very sound miner, and considered it worked out and worthless in a commercial sense) than they have given Messrs Lewis, and the Parys shareholders must conclude from the largeness and continuity of the dividends which they have received since the concern has been in Messrs. Watson's control how much or how little Mr. John Taylor's opinion was worth consideration. It is, however, indisputable that the largest dividends have always been obtained from reworked mines.

obtained from reworked mines. LiBONAMENTO POSTATE LA MINING JOURNAL.—II prezzo delle associoni è per tutti gli Stati della Convenzione postale 11. Sa. (36 frs.) al anno—pagamento anticipato. L'invio de Vagila postale internazionale essendo più comodo e sicuro è sempre preferibile a qualunque altro mezzo. Le lettere ed i reclami devono essere inviati franchi e leggibilmenti scritti alla Direzione del Mining Journal. Nessuna communicazione potrà essere publicata se non quando abbia, per guarentigia particolare della Redazione la firma e l'indirizzo del Corrispondente. Non si restituiscono i manoscritti. Richiami e combiamenti d'indirizzo devono avere unita la fascia in corso sotto cui si spedisce il Giornale.

Avis Important—Aux Abonnes Etranders Du "Mining Journal.
Avis Important—Aux Abonnes Etranders Du "Mining Journal...—Le pris de l'abonnement au Mining Journal pour tous les pays de la Convention Postale Internationale est de (il. 8s.) 36 frs. le port compris. L'abonnement est payable par anticipation, ou par annats postal international ou par autre mandat sur Londres. L'abonnement continuera sauf avis contraire.

Reccued,—"P. O. N." (S. Doulough's): The address asked for is 4, King Williamstreet, London—"J. N." (Milton Bridge): The Journal is published on Saturday at 3 a.m., and should therefore reach you at the same time as the London morning papers—"R. S."—"G. A. H."—"H. A. and Son": Inserted—"F. W. B."—"H. H."

## THE MINING JOURNAL

Bailway and Commercial Gazette.

LONDON, OCTOBER 4, 1884.

"THE INCREASE AND DIFFUSION OF KNOWLEDGE AMONG MEN."

An appropriate reminder of the fact that the large majority of Technical Schools and Colleges throughout the country are commencing their sessional labours during the present week—both staff and student refreshed by the well-carned vacation they have been enjoying—is given by the receipt of the new annual report—that for 1882—of the Board of Regents of the Smithsonian Institution, founded on a bequest for the "increase and diffusion of knowledge among men," and under conditions best calculated to ensure the benefactor's wishes being carried out, and, what is no less important, to promote and maintain the utmost good feeling between the United to promote and maintain the utmost good feeling between the United States and this country. The benefactor, JAMES SMITHSON, was an Englishman, a natural son of the first Duke of NORTHUMBERLAND

to promote and maintain the utmost good feeling between the United prised to RECRIVE on TUESDAY. 25,500,000 New South Wales Three-tistock, repayable at par 1st October, ackept at the Bank of England, where ill be made. Holders of the Stock phose at the Bank of England, where ill be made. Holders of the Stock phose attached, which Certificates upons attached, which Certificates to the will of the holder. In the first six is the nominal amount of Stock, will be payable at the Bank of 1 and 1st October, and the first six is the nominal amount of Stock, will expect to the countributed largely to the scientific literature of the day. A few years after graduating he took his father's name, which, therefore, so the nominal amount of Stock and Consolidated Fund of the United re of Her Majesty's Treasury will e or responsible for the payment of thereon, or for any matter relating or any part of the Stock, and must lee given for every £100 of Stock, dred, of Stock, or at a price includation sixpence, will not be accepted, etc. Chief Cashier's Office of the Bank on Tuesday, 7th October, 1884, been engaged to the consequence of the Chief Cashier's Office of the Bank on Tuesday, 7th October, 1884, been engaged to the tender. Where it will be returned, and in case of the deposit will be applied towards and accepted as when added to the deposit will be applied towards and accepted as the amount of Stock tendered for at the time of the delivery of the been closed in the tender. Where it will be returned, and in case of the deposit will be applied towards and accepted the amount of Stock tendered for at the time of the delivery of the been closed in the tender. Where it will be returned, and in case of the deposit will be applied towards and accepted the amount of Stock tendered for at the time of the delivery of the been closed in the tender. Where it will be returned, and in case of the deposit will be applied towards the deposit will be applied towards the deposit will be applied towards of the deposit, will leave the paymen so on, no payment is made for communications, the author al-ways regarding the association of his name with that of SMITHSON as an ample reward. It should be well understood that the mission of the Smithsonian Institution differs from that of a college or university, since it aims at adding to existing knowledge rather than at teaching what has already been ascertained. No effort is spared to carry out the hearfestory intesting and whilst the Americans to carry out the benefactor's intention; and whilst the Americans heartily appreciate his munificence, Englishmen have equally good cause to be proud of the spirit in which the bequest has been received and applied by the United States.

and applied by the United States.

The amount of inforpation contained in the present volume is enormous, and the suggestiens made with regard to various matters are of grent value, whilst the importance of the Record of Recent Scientific Progress may be judged of from the fact that the Introduction is contributed by the secretary—Mr. SPENCER F. BAIRD and the several sectional reports by equally competent authorities upon the subjects they deal with. Astronomy is reported by K. S. HOLDEN, geology by T. STERRY HUNT, geography by F. M. GREEN, meteorology by CLEVELARD ABBE, physics by G. F. BARKER, chemistry by H. CARRINGTON BOLTON, mineralogy by E. M. S. DAMA, bottony by by H. CARBIERGTON BOLTON, mineralogy by EDW. S. DANA, botany by W. G. FABLOW, 200logy by THEODORE GILC, and anthropology by C. T. MASON. There are numerous miscellaneous papers relating to anthropology, an excellent index, and an abundance of information; so that it would be difficult to suggest how the various details

brought together could be issued in a form better calculated to convey complete and readily utilisible knowledge to the earnest reader; so that whilst the student and scientist may well be proaf of the volumes issued, the United States should not be less proof of the great institution which issues them.

### PRODUCTION OF IRON ORE.

PRODUCTION OF IRON ORE.

As some of our oldest ironstone fields are fast becoming exhanted attention is being directed to the probable districts for supplies in the future. It appears that in some of our best known district, where the iron ore has been raised from the coal measures, or it connection with them, less than ever is now being raised; for, singular to say, but little is doing in the finer hematites of Consult, which at one time were worked on a rather extensive scale. More dependence is being placed in the ores peculiar to the lower collies, and during the last few years several new fields have been opened out which are capable of yielding an almost unlimited supply. The resources of North Yorkshire continue to be heavily drawn upon, but this they are capable of standing. It is different as regards we Yorkshire, where the old mines have been nearly abandoned in favour of the stone obtained from Lincolnshire, which is most plential, and is connected by railway with South and West Yorkshire.

Most of the ironstone used in the Derbyshire furnaces not so many years ago was raised inside that county, but now scarcely any is worked, the ironmakers taking their supplies principally from North amptonshire and Rutland, where the stone has only recently been disturbed. Northamptonshire also supplies a good deal of ore to the furnaces in South Wales, for the local ore is not now worked to anything like the extent it was even 10 years ago. North Wales haplenty of good ore, but there is not much of it raised; but no don't will be looked to before long, more especially as it looks as it he Shropshire field is becoming exhausted. Northumberland and Dunham contain considerable deposits of spathose, carbonate, and sill vill be looked to before long, more especially as it looks as it he Shropshire field is becoming exhausted. Northumberland and Dunham contain considerable deposits of spathose, carbonate, and sill ceous hematites, but have gradually declined before the chaaper and more plentiful ores of Cleveland. Irel tity

Officialise in the Agricus district		100011	reorn one down	å
of ore raised in 1874 and 1883:	1874.		1883,	
CornwallTons	45,006	*****	670	
Devonshire	21,313	*****	5,240	
Gloucester, &c	299,399	*****	177,451	
Oxford, &c	41,539	*****	56,040	
Northamptonshire	1,056,479	*****	1,290,087	
Lincolnshire	463,239		1,006,219	
Shropshire	303,966	*****	235,900	
Derbyshire	239,520	*****	16,838	
Warwickshire, &c	92,214	*****	31,404	
Staffordshire, North	1,032,362	*****	1,682,600	
Staffordshire, South	141,505	*****	150,179	
Lancashire	915,358	*****	1,371,557	
Cumberland	1,120,170	*****	1,477,052	
Yorkshire, North	5,614,323	*****	6,756,055	
Yorkshire, West	370,960	*****	170,832	
Northumberland, &c	122,480	*****	51,258	
North Wales	42,228	*****	10,764	
South Wales	661,616		150,538	
Scotland	2,119,770		2,228,851	
Ireland	140,360	*****	146,452	

### THE SHEFFIELD STEEL MANUFACTURERS, AND THE IRON AND STEEL INSTITUTE.

IRON AND STEEL INSTITUTE.

The fact of the leading steel manufacturers in Sheffield declining to invite the members of the Iron and Steel Institute to visit the great centre of steelmaking and cutlery manufacturing, on the ground that by so doing they would have to throw open their works to foreigners engaged in similar productions abroad, has called forth a good deal of comment not altogether favourable to the home manufacturers. But on their behalf it may be stated that they have long complained of many of the continental manufacturers, who in such materials as tools, scissors, cutlery, &c., not only pirate their trads marks, but in some instances brand the goods they produce with some of the best known names in Sheffield. But there are certain processes connected with the production of steel which the Sheffield makers naturally enough do not desire to become generally known, as they wish to maintain their prestige as producers of the finest steel in the world. This they consider they have held up to the present time, although they have had many opponents on the Continent and America. So far as regards the manufacturers some of those in America not only imported the raw material from Sheffield, but the mon from the same place, as well as the water, yet after all there was not the success anticipated, so that steel of the best qualities is still exported from the hardware town to America. Only recently, too, a military commission appointed by the United States Government has visited the works, so far as allowed in this qualities is still exported from the hardware town to America
Only recently, too, a military commission appointed by the United
States Government has visited the works, so far as allowed in this
country, and have reported specially on the properties of the stel
we produce.

The commission, it appears, has reported unanimously in favour of

country, and have reported specially on the properties of the see we produce.

The commission, it appears, has reported unanimously in favour of the system introduced by Sir J. Whitworth as regards steel forings, on the ground "it gives better promise than any other of securing that uniformity so indispensable in good gun metal." Sir Joseph Whitworth has found the hydraulic preess of great value in forging, whilst the larger the mass the more effective was the pressure. The pressure that was put upon the fluid steel was about 6 tons to the square inch, and in applying that pressure to a column of metal it was diminished one-eighth of its whole length in less than five minutes, the air cells being thoroughly expelled, provision being made for the escape of the gases. But a good deal after all madepend upon the quality of the steel, and the difficulty even now is to produce it in large quantities uniform in every way. Some of our makers to ensure uniformity analyse all the raw material that goet to make up what they produce in a complete state. Still in the making of steel by such well-known firms as those of Turtox and Sons, Jessops, and others, there are no doubt certain appliance used or adopted which they do not wish to make public, or expose to the notice of the intelligent foreign metallurgist or manufacturer, not being protected by patents, which are not always safe from piner two when retered. There was not be much be much that is new with rethe notice of the intelligent foreign metallurgist or manufacture, as being protected by patents, which are not always safe from piracy even when patented. There may not be much that is new with respect to the production of outlery, machine, and small tools, or even patent steel wheels, but there is certainly one other speciality in which the Sheffield manufacturers beat all others, and have secured a monopoly—we allude to the composite armour-plates.

French and German manufacturers, including KRUPP, of Essea, have all tried their hands at them, but without success.

have all tried their hands at them, but without success. Some American makers have also tried to produce them so as to stand the same tests as those made at Sheffield, but have failed. The consequence is that the two great works of Sir J. BROWN and Co, and CAMMELL and Co., are now making their steel-faced plates for most of the continental Governments, as well as for that of America. In the interests of the town, as well as that of the country as well, it is to be hoped that the monopoly now enjoyed by the two great companies will long be held by them; no one, therefore, can blame the heads of these companies if they do all they can to maintain the reputation they have for certain plates, the bringing of which to their present state of perfection has only been effected as great cost, time, and labour. Taking these facts into consideration, it will be admitted that the Sheffield manufacturers have some ground for not inviting even so highly important a body as the Steel and Iron Institute, many of whose members are connected with the leading continental establishments, to visit the town and their works, along the more continental establishments, to visit the town and their works, along the more though to some this may appear ungracious; but no one who knows our Shelield manufacturers can even hint at a want of courtesy of hospitality on their part.

IMPROVED MINING MACHINERY.—That much of the success of the miner depends upon the machinery, especially for crushing and pulverising, which he uses knone will deny. Any improvement, Mr. W has lost that there bay free

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her-fore, in these machines are of great interest and moment to those connected with mining. At the Falmouth Polytechnic Exhibition the other day a paper describing a new pulveriser was read by Mr. Rickard, an abstract of which we shall give in next week's

### SCOTCH PIG-IRON WARRANT MARKET.

SCOTCH PIG-IRON WARRANT MARKET.

Mr. W. WILSON (Glasgow, Oct. 2) writes:—The warrant market has lest to some extent the buoyancy which it showed a week ago, but there is a firm feeling in the trade generally, and a readiness to be there is a firm feeling in the trade generally, and a readiness to be more largely interested in warrants the heavy stock allows of the improvement being only very gradual. The price is now about it up from the lowest of four months ago. Shipments for the week do not compare favourably. There is no change in the number of famacos blowing: 505 tons were taken out of store here last week, while 300 tons were taken out at Middlesborough. There is no change in the number of famacos blowing: 505 tons were taken out of store here last week, while 300 tons were taken out at Middlesborough. Thursday, Sept. 25.

Thursday, Sept. 25.

Thursday, Sept. 26.

Thursday, Sept. 29.

41/54, 41/74, 41/74, 41/74, 41/74, 41/74, 41/74, 41/75, 41/78, 41/74, 41/75, 41/74, 41/74, 41/75, 41/74, 41/74, 41/75, 41/74, 41/75, 41/75, 41/74, 41/75,

9,242 ... 13,238 ... 15,023 ... 16,434 421,176 ... 493,614 ... 485,149 ... 441,851 36/6 ... 39/ ... 44/9 ... 42/6 98 ... 117 ... 120 ... 117 5,995 ... 5,900 ... 7,485 ... 4,845 Grangemouth, week ending Sept. 26... Do. do. since beginning of year ... 195,138 ... 200,550 ... 175,234 ... 222,558

Welsh Lead Mining.—In referring to the first meeting of creditors recently held in connection with Mr. E. J. Bartlett's liquidation proceedings it was remarked that the mines—indebted to him to the amount of about 15,000% and which formed his chief assets distion proceedings it was remarked that the mines—indebted to him to the amount of about 15,000L and which formed his chief assets—had seldom in any given year returned sufficient profits to pay the salaries of officials, and have usually resulted in lamentable loss to all connected with them. This it is explained is not properly attributable to any want of remuneratively workable mineral in the properties, but to the fact that the development operations are not yet quite completed and that the long depression in the metal markets has prevented returns from meeting all necessary expendiure. Under these circumstances Mr. Bartlett very properly urges that the mining adventures in which he has long taken an active and honest interest should not be subject to unqualified condemnation, inasmuch as strong efforts are being made to introduce the capital which in his candid opinion is the only thing necessary to put him in a position to await with confidence higher prices. I must, he adds, in common justice ask you to qualify your previous report. I may also point out what I 'think must be manifest, that it is illogical and unjust to attribute to the operation of the Bankruptcy Act a payment of a composition made by me from the proceeds of the sale of my effects long before the proceedings were contemplated. The merit, if any, of sharp and speedy liquidation rests with me and those who coperated with me, and not with Mr. Chamberlain or his officials. It is gratifying to find that the lowest price of metals appears now to have been reached, and as regards lead it has this week been demonstrated by the payment of dividends by two mines producing that metal—Roman Gravels and Leadhills—that although ow prices naturally lessen profits, yet such improvements have been made in the methods of working that where mineral is present

producing that metal—Roman Gravels and Leadhills—that although low prices naturally lesson profits, yet such improvements have been made in the methods of working that where mineral is present profits can be made even with lead at 10t. 10s. This has put quite a new face upon the prospect of lead mining in North Wales, and will afford general encouragement for further development.

MINING PROSPECTS.—Mr. William Abbott, Tokenhouse-yard, writes:—With regard to the United Mexican Mine it was in January last that I first advocated the division of the 30t. shares into three of 10t. each (subsequently carried out). Since then the weekly returns of profit have increased considerably, but the price of the shares has hardly moved, although a dividend of 2s. 6d. per share has been paid, and there is another of like amount pending. If it were not that the mining market is in such a dormant condition the prospects of this company would no doubt stimulate active If it were not that the mining market is in such a dormant condition the prospects of this company would no doubt stimulate active dealing in the shares. At the recent La Plata meeting it was authoritively stated that the shareholders have a valuable property, and, but for the low price of lead, there would have been 20,000L divide, equal to 5 per cent. on the entire capital, or 20 per cent. on the present price of the shares. The last reports are to the effect that the company's mines are becoming richer as they are opened out.

### REPORT FROM CORNWALL.

REPORT FROM CORNWALL.

Oct. 2.—Mining still continues in all its phases exceedingly dull, and no one cares to venture a prophecy of more than the most indefinite character, based upon the well-ascertained fact that there must come a point where stock and prices must part company; and that if the former continue to fall sooner or later the latter must begin to rise. Of course it is a mere traism to say so; but really the most expert authorities appear unable or disinclined to go any further. This week's fall was not unanticipated.

What everyone anticipated has happened, and Wheal Jane is abandoned, and 120 hands are thrown out of work, with winter close approaching, because the chief lord of the mine has so decreed. It is only fair to Lord Falmouth to put upon record his reply, or, rather, the reply of his advisers to be very exact—the letter from Messrs. Hodge, Hockin, and Marrack, which was read to the adventurers at the Wheal Jane adjourned meeting last Friday. They say:—

"We are in receipt of your letter of the 20th inst., requesting to be informed if Lord Falmouth would consent to your continuing the working of the lodes above the adit, and if so, on what terms. We have had an opportunity of considering the question and discussing it with his lordship's principal resident and mineral agent, and we have come to the conclusion that the application is one which cannot be acceded to. We venture to think that it is an incention of the principal of mining that the mineral ground comprised in the sett should be effectually explored, and this can only be done by sinking shafts and driving levels; and, as the shareholders have resolved to discontinue the deeper workings of the mine, it would, in our judgment, be most unusual, as well as most unfair to the lord, for them simply to take away the mineral above the adit, after abandoning all means of exploring the property. Lord Falmouth regrets that the shareholders have not met with greater success, but we must remind you that his lordship has acceded to every reaso able request made to him by allowing, in the first place, the stopping of the pumping-engine in 1876 for a period of five years, and then, in February last, by giving up all dues for a period of 12 months." Nobody, we presume, would think of denying that it is an essential principle in mining that mineral ground should be "effectually explored;" but what, when this has been done for years at a heavy loss to the adventurers and a direct gain to the lords? Are the adventurers to go on for ever throwing away their money and time in a hopeless search after mineral that will pay for the working, when there is mineral that can be worked, and it may be presumed, with a chance of profit, elsewhere? No men of business would do other than the Wheal Jane adventurers have done; and we venture to think that if Lord Falmouth had himself been the adventurer he would long ere this have abandoned the deeper workings, and realised what was to be got above. As the matter now stands he is not likely oven to get that; and the certainly will not get anything more. Some people talk, and many mine leases appear to be drawn, as if mines were practically inexhaustible, and as if it were a crime instead of oftimes a physical necessity to take away 1 oz. of ore before another had been discovered to take its place. Of course in a well-conducted and progressive mine exploration and realisation should go hand-in-hand; but when exploration falls are we to abandon what we have discovered? The plain truth is that our mine leases, like our farming leases, as a rule

ness will decline to enter. In this case Lord Falmouth has undoubtedly the legal power to say that the Wheal Jane shareholders shall work the mine at a loss to themselves or abandon the whole of the money they have invested, and he has chosen to exercise it. One thing more we will venture to say, that however or by whoever he has been advised in this matter he has had no more competent authority to decide his course than the Wheal Jane adventurers have had to decide theirs. Surely the time cannot be far distant when sensible men will refuse to enter into these one-sided bargains, and when the owners of mineral property will find that they will either have to work it themselves or treat those who are prepared to do so equitably. There is certainly no equity in all the profit being on one side and all the losses on the other.

Something has been said at recent political meetings in West Cornwall of the desirability of improving the position of the miner by laying an import duty upon foreign tin, but it has been pointed out on the other hand that no industry can be expected to flourish which is burdened in the manner exemplified at Wheal Jane. This is a practical question which seems almost invariably to be avoided when mining is brought into the political arena. Of course we have nothing to do with it here in any party sense.

There is evidently a hard winter in store for the working miner. Not only does the stoppage of Wheal Jane throw out 120 hands, and annihilate mining in the Truro district, but the contemplated winding up of East Wheal Uny will throw out some 60 more, and a number of hands have been discharged from other mines in that district. We

ing up of East Wheal Uny will throw out some 60 more, and a number of hands have been discharged from other mines in that district. We fear that this is but an instalment of what may be expected within the next few weeks.

### REPORT FROM DERBYSHIRE AND YORKSHIRE.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

Oct. 2.—Some of the industries of Derbyshire are now looking better than they did, and this is more especially the case with respect to coal mining. For several months past the colliery proprietors of Derbyshire have had anything but a good time of it, for they have been obliged to sell their coal without profit; so that in reality they have kept their pits going for the benefit of their workpeople. With the improvement in trade, however, there are the usual announcements that the price of coal has gone up, and that owners' lists show an advance of from ls. to ls. 6d. per ton. These reports have the effect of causing the men to look for higher wages, on the ground that they should participate in what they consider the higher profits. But the fact is that as yet no general advance in the price of coal has taken place, and like all other commodities the charge is regulated by supply and demand. But so far coal is as plentiful as for months past, and such being the case any material advance is of course out of the question, It may, however, be stated that an increased tonnage of house coal is now being sent from several of the leading collieries to the Metropolis, where an advance of 1s. per ton has been made by most of the merchants, especially on the sea-borne coal; but there is still a difference of 2s. per ton between the latter and the best coal sent by railway, Wallsend being quoted at 25s. per ton delivered, and best Silkstones 23s.; but some Silkstones are sold as low as 21s. per ton, as is done by the Pinxton Colliery Company. In steam coal the business done has been of a steady character, and is principally confined to railway companies and the iron smelters. Gas coal now goes off much more freely, large quantities being passed on to the Midland Railway in particular; but the increased requirements make no difference to the price, for the contracts fare yearly and generally entered into from July 1. In coal for manufacturing purposes no change for the better has tak in the local consumption, for the leading foundries have worked fairly for some months past. The output of gas and water pipes has kept up well, so that the Derbyshire makers have had their full share of the contracts given out by the public companies and cor-

snare or the contracts given out by the public companies and corporations.

The quietness which has so long prevailed in several of the oldest branches of trade in Sheffield appears giving way to a better state of things, for some fair or lers have lately been booked for several descriptions of hardware. The production of Bessemer steel has kept up well, and whilst no increase has taken place in the quantity required for rails, manufacturers are taking more freely in both billets and ingots. A good deal is also being required for springs, axles, tyres, and other forgings. Makers of crucible steel are still turning out an average, for a considerable quantity is required in the casting of some heavy material connected with engines and machinery, as there is also for patent wheels, cutlery, and tools. Some of the cutlery establishments are now working better than for months past, so that the last quarter of the year gives every promise of being about the best. Tools for wood workers are in fair request, and filemakters appear to be more fully employed. The mills engaged on armour-plates are running well, whilst there is still a moderate output of those of the ordinary kind.

armour-plates are running well, whilst there is still a moderate output of those of the ordinary kind.

The Coal Trade of South Yorkshire has improved during the past week, and more households are now being sent to the London market. Steam qualities are also in fair request for shipment from the Humber. The improvement in the trade, however, has been followed by several disputes or grievances found by the men. Upwards of 1000 men and boys lately working at the Barrow Colliery are out, the Association men having struck, so that all others had to follow. A dispute is also rife at the Hoyland Silkstone Colliery, where the men have been well employed during the whole of the year, whilst a grievance has also been found at Wharneliffe Silkstone.

### REPORT FROM LANCASHIRE.

Oct. 2.—The month has opened with a pretty general upward movement in the price of round coal throughout Lancashire, but there has been a want of uniformity of action that is an indication that prices have been advanced, not because there is any really great improvement in trade, but because it is considered the legitimate course of action in anticipation of the increased winter demand that is looked forward to. In the Manchester district the leading firms course of action in anticipation of the increased winter demand that is looked forward to. In the Manchester district the leading firms have advanced engine classes of fuel as well as round coals; but, in the face of the plentiful supplies of slack in the market, it is only in very exceptional cases that colliery proprietors in other districts have seen their way to make any alteration. The complete absence of unity of action was made pretty evident at the Manchester Coal Exchange on Tuesday. The Manchester firms had already announced an advance of 10d. per ton all round; but the representatives from collieries in other districts seemed in many cases to have come on Exchange with no definite idea as to the course they would take, and seemed to be trying to find out what others were doing take, and seeme to be trying to find out what others wer before they decided themselves. Ultimately it seemed to resolve itself into an advance of about 6d. per ton on the quoted rates last month, so far as round coals were concerned; but engine fuel practically remained unchanged. The average prices at the pit mouth may now be quoted at about 9s. 6d. for best coal; 7s. 6d. for seconds; 6s. to 6s. 6d. for common; 4s. 9d. to 5s. for burgy, and 3s to 4s. for slack. In anticipation of the advance, there has been a push of orders; but at the higher prices now asked buyers are holding back, and it remains to be seen whether they can be fully maintained.

maintained.

For shipment there has been a fair demand, and quotations for delivery at the High Level, Liverpool, or the Garston Docks, have been put up about 6d. per ton, Lancashire steam coal now averaging about 7s. 9d. per ton.

The iron market remains without material change, and briefly it may be summed up that there is a continued firmness in prices, but very little real improvement in the actual condition of trade. A few

and as if it were a crime instead of oftimes a physical necessity to take away 1 oz. of ore before another had been discovered to take its place. Of course in a well-conducted and progressive mine exploration and realisation should go hand-in-hand; but when exploration and realisation should go hand-in-hand; but when exploration falls are we to abandon what we have discovered? The plain truth is that our mine leases, like our farming leases, as a rule are one-sided arrangements, into which sooner or later men of busi-

however, people have come to believe that prices are not likely to get any worse, and there is rather more enquiry, but still no great weight of buying. For delivery equal to Manchester, prices are firm at about 41s. to 42s. for Lancashire, and 42s. to 43s. for district brands of pig-iron, less 2\frac{1}{2}; 5\ldotle 12s. 6d. for good qualities of bars, 6\ldotle 1. So. 6d. for hoops, and 7\ldotle 5s. to 7\ldotle 7. fod. for sheets.

Hematites continue extremely low in price, and good foundry brands are still to be got at about 53s. 6d., less 2\frac{1}{2} delivered into this district.

this district.

this district.

Reports as to the prospects of the Engineering Trades continue unsatisfactory. Although locomotive and railway carriage builders continue well employed, in most branches there is a falling off, and the weight of new work coming forward generally is small.

### REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Oct. 2.—The continuance of the colliers' strike keeps prices of coal firm. Yet the action taken this week by one, if not more, of the colliery firms in the Essington district in declaring prices "up 16d. per ton is believed to be exceptional. Certain ironmasters, however, who are in receipt of this firm's circular correctly regard the announcement as unmistakably showing the tendency of the market. The pig-iron trade lacks the vitality of two or three weeks ago. But vendors are not desirous of effecting sales except at their own stronger prices. Northampton pigs are 41s. to 41s. 6d., delivered hereabouts; and Derbyshire, 42s. to 42s. 6d.; native pigs are 57s. 6d. to 56s. 3d, for all mines, and 40s. to 37s. 6d. for cinder sorts. Hematites are quiet at 55s. to 56s. Orders for manufactured iron are arriving less freely, as the result of the Quarterly Meetings being fixed for next Wednesday and Thursday. Yet there is no lack of employment at the works. The steelworks in particular are busy. For the production of chain-making iron, a works that has long stood idle in the Dudley district has this week, it is understood, been restarted. Sheets (doubles) are 7l. 10s. to 7l. 15s., and tank plates 7l. 5s. to 7l. 10s.; boiler ditto are 8l. to 9l. Common bars 6l., easy.

The strike in the Coal Trade still continues. A few pits have started at the old rate and a few others at the drop. The colliers still say that they are determined to keep out until Christman unless the rise.

The strike in the Coal Trade still continues. A few pits have started at the old rate and a few others at the drop. The colliers still say that they are determined to keep out until Christmas unless the rise is given; and they are this week rather elated by having scored a legal victory, in that Sir Rupert Kettle, the judge of the Dudley County Court, thas determined that the 350 miners employed by the Sandwell Park Company are each entitled to a fortnight's wages, in consequence of them not having received a full fortnight's notice before the company attempted to enforce the arbitrator's award. This document, Sir Rupert decides, is only morally, and not legally, binding upon either party; therefore, that the eleven days' notice which the company gave was insufficient. The company have given notice of appeal, but it is improbable that they will obtain a reversal of the decision. The Cannock Chase masters having refused their men an advance, the miners in that part of the district are this week threatening to give notice to come out on strike, and thus join their threatening to give notice to come out on strike, and thus join their

threatening to give notice to come out on strike, and thus join their Staffordshire fellows.

At the annual meeting of the Mines Drainage Commissioners of South Staffordshire, on Wednesday, in Wolverhampton, it was shown that the expenditure upon surface works up to June last had been 305,552!. To pay this a capital sum of 175,000! had been borrowed, of which 133,157!, remained unpaid. There had also been raised by rates, on account of surface works, about 171,000!.

The area under the Commissioners, it was made known on Wednesday, is 31 square miles, or nearly 51,940 acres. Within this area there are 100 miles of canals and 300 miles of streams, which had long been letting water into the mines, though the precise sources cannot all be traced. After prolonged pumping some of the water at the lowest depths is still at its former level. But the Commissioners' efforts in the past nine years has stopped the "course" of water in the chief or Tipton district, and the pumps are now engaged in sinking the "pounds." It is believed that on the completion of the expenditure now being made on engines and levels, the working cost will be reduced to a yearly sum of 10,000!, or a rate per ton of 3.25d.

per ton of 3.25d.

### TRADE OF THE TYNE AND WEAR.

TRADE OF THE TYNE AND WEAR.

Oct. 2.—The demand for best steam coal is well maintained at late rates, consequently, most of the large works north of the Tyne continue to be well employed. There is a fair demand for second-class steam coal, and for steam small coal. In Durham the demand for gas coal is exceedingly brisk, and most works producing this coal are fully employed. The demand for house coal improves. The coke trade is very quiet. The demand for general manufacturing coal is very deficient, and at many of the works the pits can only be kept moving partially by adding to stocks.

The Iron Trade has not changed materially, but there is a better feeling on the whole. The main reasons for the change are that shipments have improved, and there is a scarcity of No. 3 pig-iron. The makers are now well off for orders for the shipping season. It is feared that stocks must increase, owing to the small local consumption in the finished iron trade. One or two firms have received good orders for iron shipbuilding, but the trade generally is dr-pressed, and marine engine and boiler builders consequently are n to busy. Many works have discharged a great portion of the men. A large number of men are, however, employed at the Elswick Works of Sir William Armstrong and Co., where there is abundance of work in hand. Locomotive engine builders are well employed. There is no change in the value of any kind of iron or steel. For the latter product the demand is limited, but makers are now engaging in a more miscellaneous trade, instead of manufacturing simply steel rails. The shipments of pig-iron for the month up to Friday last were 76,000 tons, 14,000 tons in excess of the same period in August. The wages question in the Iron Trade is still in a very unsatifactory state. An attempt has been made to introduce another sliding-scale, which would have the effect of settling the question for some time to come and giving more confidence to masters on entering into contracts; but as yet it has met with little success. The employe

### REPORT FROM NORTH WALES, SALOP, AND CARDIGAN.

Oct. 2.-A very curious romance of the peerage connected with mining is at the present moment proceeding in North Wales. Mr. John Fraser, of Mount Pleasant, Carnarvon, who is well-known in connection with mines and quarries, lays claim to the Lovatt estates and peerage of Scotland. He claims to be a direct descendant of the first Lord Lovatt by his eldest son, Alexander Fraser, who for some cause or other left Scotland and found his way to the lead Mines of Llanguage, in Montemperships where he recribed Wales. Mines of Llangynog, in Montgomeryshire, where he married a Welshwoman. We next hear of him in Anglesey, where he discovered and started on their long and successful career the Parys and Mora mines, and this week a Commissioner from Scotland is holding sittings at Amlwch to hear evidence on the case from the oldest

At the Penrhyn, Dinorwie, Dorothea, Talsarn, and other large slate Atthe Fennys, Dinorwic, Dorotnes, Taisarn, and other large state quarries, a good trade is being done at the present time, and the circumference of the waves of motion reach and affect favourably the lesser quarries of Carnarvonshire. Hence the stocks at the various depots are small. There is especially a considerable demand in Scotland for the smaller sized slates—12 by 8 being the favourite size. In connection with the Merionethshire quarries, loading is being pashed forward at Portmadoc in order to get the cargoes in port before the navigation closes for the winter. In Pembrokshire the

Whitland Abbey Quarry, whose slates are a silvery-greyish green, is now working well. now working well.

As far as Rhyl a railway ride along the North Wales coast is not

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a very inspiriting affair at the present moment, abandoned collieries and abandoned lead mines being account. a very inspiriting affair at the present moment, abandoned collieries and abandoned lead mines being among the most prominent objects to the landward. On the sea-side, the oil, chemical, and alkali works are doing well. At the smelting-works there are large stocks of pig-lead. After passing Abergele some signs of life are discernible in the limestone quarries of Llysfaen and Llandolas. There are three of them whose present combined output amounts to 700 tons a day.

three of them whose present combined output amounts to 100 tons a day.

Disaffections among the colliers is spreading somewhat. The men at the Llay Hall Colliery, near Wrexham, to the number of 350 have struck work against a reduction of 5 per cent. in their wages, which the owners seek to enforce. It is felt that this is an inopportune act now, just before the beginning of winter. A good trade is expected this winter, and preparations are being made for it. I have not seen the port of Connah's Quay so crowded with colliery timber as it was when I passed it yesterday.

One pleasant feature of the recent meeting of the Iron and Steel Institute, at Chester, was the conversatione held by the Chester Society of Natural Science in honour of the visit. It was a nice combination of theoretical and practical science—of organic and inorganic geology. The Government are about to construct harbours

combination of theoretical and practical science—of organic and inorganic geology. The Government are about to construct harbours and piers along the west coast of Ireland. Will no patriotic Welshman agitate in favour of the like advantages along the coast of Wales. It seems a national disgrace that from Holyhead to Milford Haven, along the shores of the greatest sea highway of the world, there should not exist a port into which a vessel drawing only 8 ft. of water can enter in all states of the tide. This fact alone materially affects for the worse seafishing off the coast of Wales. The slight improvement in the iron trade continues while for machinery and finished ironwork there is a fair demand. A little better demand for goods has sprung up in the pottery districts, and the salt trade of Cheshire is in a fairly satisfactory condition.

### TRADE IN SOUTH WALES

Oct. 2.—There is no change to report in the activity of the Steam Coal Trade of South Wales. Cardiff shipped last week 127,412 tons foreign, and about 20,000 coastwise, with 625 tons patent fuel; Newport, 29,861 tons foreign, and 20,807 castwise; Swansea, 20,946 tons foreign, and about 14,000 coastwise, with 4440 tons patent fuel. House coal is in weak demand, and so is small steam coal, but patent fuel well maintains its position.

The growth of the coal rade of Commons next session.

The directors of the Taff Vale Railway propose to make a mineral line from Penarth to Barry, so as to enable them to carry coal to that port when it is made. A bill will be introduced for this purpose into the House of Commons next session.

The growth of the coal trade of Cardiff is well illustrated by the following figures:—In 1875 the shipments were 3.829 631

following figures:—In 1875 the shipments were 3,829,631 tons; in 1876, 4,804,509; 1877, 5,180,651; 1878, 5,255,673; 1879, 5,694,155; 1880, 6,840,298; 1881, 7,390,832; 1882, 7,744,838; 1883, 8,750,578. turns for 1884 show that the gradual increase is well main-

The output of coal in the Rhondda Valley in 1873 wa 2,418,959

The output of coal in the Knonuua vanny.

The Bute trustees are reported to have under consideration the making of the Glamorgan Canal into a mineral railway. Lord Bute at present only leases the property.

The Iron and Steel Trades are in a deplorable state. Cardiff only leases the property.

The Iron and Steel Trades are in a deplorable state. The arrivals are tong last week, and Newport 531 tons. The arrivals are tong from Bilbao, In a deployable to the control of th and 607 from other places; Newport received 14,030 tons from

Bilbao.

The Tin-plate Trade is rapidly falling into its old depressed groove, in consequence of the insane reopenings of closed works. Good IC cokes only fetch 15s. per box, and even 14s. 10½d. has been taken. Prices are expected to fall even lower.

### HEROES OF SCIENCE.

The biographies of the great engineers and inventors of the first half of the present century have been so often and so ably written that it would almost have been thought that difficulty would be experienced in saying anything novel or attractive upon the subject, yet in Prof. Lewis's volume—Heroes of Science. Mechanicians. By T. G. Lewis, M.A., Professor of Mathematics in the Government College, Lahore. London: Society for Promoting Christian Knowledge, Northumberland Avenue—we have a thoroughly readable and instructive series of lives of leading mechanicians not so long as to be tedious, but of quite sufficient length to permit of the record of all that is necessary. all that is necessary. Prof. Lewis very justly points out that it is to the efforts to meet the requirements of the "Gentlemen Adventurers in the Mines of England" that we owe those early inventions which the efforts to meet the re in the Mines of England have been developed until the magnificent engines we are now accustomed to was reached. The success of the steam-engine has, says the author, been the reward of careful scientific thought on the side of the practical application of science; and whilst being a reward it has also been an encouragement, and hence the material progress of the past century has reacted as a stimulus to intellectual progress, and has probably not been without effect on those branches ogress, and has probably not been without effect on those branche of science which are at present purely abstract, for there is a close brotherhood between the thinkers who advance science on its practica and those who advance it on its theoretical side, and the interaction between them is beyond question. Commencing with Thomas Savery's "engine to raise water by fire," patented in July, 1698, and described by the inventor in his treatise—The Miners' Friend, Prof. described by the inventor in his treatise—The Miners' Friend, Prof. Lewis sketches in a few pages the progress made until the time of James Watt, who is the subject of the first sketch, the other heroes being George Stephenson, Richard Arkwright, Samuel Crompton, Henry Maudsley, Joseph Clement, James Nasmyth, Joseph Whitworth, and Charles Babbage; and with regard to each he has shown that there is still much useful to be learned concerning them.

Throughout the volume Prof. Lewis appears to be careful to give especial prominence to the particular qualities and characteristics to which each of the subjects of the memoirs owed his advancement—to the recellence of workmapping Watt to the instificular children.

which each of the subjects of the memoirs owed his advancement-to the excellence of workmanship of Watt, to the justifiable ambition of Stephenson, and so on—and thus affords useful hints to his readers of stephenson, and so on—and thus anores useful nints to its readers, that if they would become great they must work earnestly and energetically, and not be deterred by annoyance and disappointment. Perhaps the most interesting of the series is the biography of Charles Babbage, who, to the majority of readers general, is probably far better known as the enemy of organ-grinders than as an ingenious mechanician. Towards the close of his life, says the author, Mr. Babbage attained a notoriety that was not fame—he spared neither e attained a notoriety that was not fame—he spared neither nor personal trouble in endeavouring to abolish organ-; during one twelvemonth he spent about 1041. In this in task. Thinking probably of the gibes with which his wellmeant efforts had been received he remarks triumphantly, as though the public had been unconsciously but duly punished for their unsympathising levity by some uncalculable loss, that he was not himself the only sufferer; that amount would otherwise have been expended in giving a year's employment to a skilled workman whose wages are about 2l. per week. Thus Babbage would have deprived a couple of thousand unskilled workmen of a livelihood, and been a couple of industrial unsaffied workmen of a livelindor, and been satisfied to regard the employment of one skilled workman as an equivalent. This view Prof. Lewis does not enunciate, but he refers as evidence that Babbage was a philosopher from his childhood, to the fact that when at school he could not distinguish a half-dram weight from a gold coin. If Prof. Lewis's logic be as faulty as that which he attributes to Babbage his narrative may be of some utility in facilitating a correct oness how it is that highly certificated. in facilitating a correct guess how it is that highly certificated School Board children are so excessively stupid and useless after they leave school, and so seldom become worknen who are worth oving.

employing.

But to turn to the useful work of Babbage it may be said that Prof. Lewis gives a clear and interesting account of the principle of his projected but never completed calculating machine which cost the country some 17,0001. Prof. Lewis records that it was in 1819, after a conversation with Dr. Wollaston on the subject, that Babbage began to devise a machine for computing tables, and adds that Babbage explained that the principle of his machine was the application of the method of differences. The principle involved is

one which is suggested by an examination of any series of numbers formed according to fixed rule, and can be understood by anyone who has learned to add and subtract. Prof. Lewis shows the process for a table of squares; we will add the figures for a series of cubes so that the general application of the principle will be seen. Take the squares:

11 36 5 7 9 25 5 2 2 2 4 13 3

3 5 7 9 11 13

It will be seen that the second line is obtained by writing the differences between the figures on the right and left of them in the first line; these are called the first differences of the original series. The third line is obtained in the same way, and gives the second differences which are seen to be constant. By reversing the process we may find as many terms as we please of the series of square numbers simply by successive additions. Thus 49 is the square of 7. If we desire to find the square of 8 by addition only we merely add the last figure of each line, and obtain 2 + 13 + 49 = 64 which must be the square of 8, and will give us a new diagonal 2, 15, 64; then 2 + 15 + 64 = 81 will be the square of 9, and so on indefinately. In the series for cubes the figures will be:—

1 8 27 64 125 216

s for ( 27 19 12 7 8 27 64 37 61 18 24 6 6 125 216 91 30

Now, since 216 is the cube of 6 we can obtain the cube of 7 by adding the last diagonal as before—that is, 6+30+91+216=343 which is the cube of 7. The figure for the second line of the new diagonal will be 6+30+91=127, or 343-216=127, and the third line 6+30=36, or 127-91=36, so the new diagonal will be 6+36+127+343=512 which is the cube of 8. To construct a reaching to do such work as this is extremely simple in the own but a machine to do such work as this is extremely simple in theory, but in practice the difficulties are enormous. Prof. Lewis's book will in practice the difficulties are enormous. Prof. Lewis's book will afford much food for thought, and may fairly be commended to students and general readers.

### MINING PROGRESS IN QUEENSLAND.

All the information regarding the Barrier Ranges Silver Mines having hitherto come from residents of the district sanguine of their success, the subjoined outline of the views of a visitor will be intesuccess, the subjoined outline of the views of a visitor will be interesting. In company with a friend, an old and experienced miner, we started, says he, for Terowie to see the Barrier country. Journeying by way of Cropleys and Taratoo, we arrived at Thackaringa, 16 miles south of Silverton, where the first mines were met with. They are working galena lodes of no great richness. The primitive windlass here represents the only method yet attempted of raising the ore. Without exception also the lode has been followed down on the readerling these recent in a southing like extensive nearting and the startest points. underlie, thus preventing anything like extensive operations being carried on. It was somewhat significant to find, after hearing that the Umberumberka Mine would soon require 300 hands, one man at the windlass drawing up stuff from a shaft so much out of the perpen-dicular that one could almost walk down it. We found Silverton situated on a flat surrounded by low hills, and skirted on one side by a water course. On this, which is scarcely worthy the name of a creek and two wells, one a little brackish, the people have to depend through the summer. The town has been surveyed in allot ments, and studded with galvanised iron shanties, valued at 10*l*. each Exorbitant prices are asked for these allotments in spite of the in-disposition to buy, arising from the fear that the rival towns of Lake's Camp and Soakage, where the richest surface finds have been obtained, will prevent Silverton growing to any great extent We examined the Orphan and one or two surface finds at the back of the town, the appearance of which did not impress us very favourably, and we went on toward's Lake's Camp and Soakage, where

ably, and we went on toward's Lake's Camp and Soakage, where are situated the Apollyon, Hen and Chickens, Lubra, Pluckup, Pilgrim, Christmas, Moriss's Blow, and Onetree Hill.

The Apollyon, the deepest mine on the field, is said to be raising some good ore. Some rich slugs have evidently been found on the surface in this neighbourhood, but there is no defined lode with many of them, and where there is it is wretchedly narrow, often pinching almost if not altogether out. The efforts made to prove whether there is anything, permanent about the finds are zery unwhether there is anything permanent about the finds are very un-satisfactory. Rash speculation seems to be the one idea. Almost every claim where a find has been made is in the market, but the satisfactory. Nash special severy claim where a find has been made is in the market, but are every claim where a find has been made is in the market, but are prices asked are far above their intrinsic value. There is one mine down 40 or 50 ft., which is being negociated for at a long figure. A few tons on the surface proved very rich, but the rest is very poor included. Some 20,000 acres have been pegged out for mining purposes at Mount Gipps and Pinnacles, about 15 or 20 miles east of Soakage. Directly a discovery is made hundreds of acres all round are taken up. When the rash speculation now going on subsides the last place in the are taken up. When the rash speculation now going on subsides the permanency of the finds will probably be tested. One thing is certain, and that is that the Barrier field is the last place in the world for working men to go to. There is no work to be had, and to go prospecting the chances are 1000 to 1 against their finding anything, while the privations owing to want of water in the summer

be very great With regard to the Silverton Mines, the correspondent of the Adelaide Observer writes that little has been done to develope the mines here except the Apollyon, Hen and Chickens, and Lubra. At the former No. 1 shaft is down 115 ft., No. 2 shaft 90 ft. Some splendid ore has been turned out lately. The Hen and Chickens is also turning out well, the shaft is down 113 ft. The Lubra, owned by Messrs. Crispe Bros., is going down splendidly, and has been under offer for 8000l. Tenders are invited by the Barrier Banges Association for a vertical shaft some 200 or 300 ft. to thoroughly. Association for a vertical shaft some 200 or 300 ft., to thoroughly test their property. When this is done it will prove the field to a great extent. The Robert Burns Company are now prospecting their great extent. The Robert Burns Company are now prospecting their claims. It is needless for men to come here to look for work—the place is swarming with them already. The excitement generally is not so great as it was. With regard to the water supply the Government have only as yet sent an engineer to select sites for tanks and wells on the field. Something should be done at once; the privations during last summer were bad enough, but they will be worse during the coming one, as the population is so much increased. The town of Silverton has grown wonderfoilly. When an allotment is applied for the applicant has to erect 10l. worth of improvements within 28 days; he then applies for an improvement conditional purchase without competition. This has resulted in the erection of a number of shanties, some not more than 8 ft. by 10 ft.—just sufficient to hold the ground. There are four hotels doing a roaring trade, and three more in course of construction. The late frosts have severely injured the feed, and unless we get early rains there will be severely injured the feed, and unless we get early rains there will be very little for the coming summer. Cartage is again on the rise, 81, per ton being now paid. The coaches still come in loaded from Adelaide and Wilcannia.

Adelaide and Wilcannia.

An important discovery, proving beyond doubt that water may be obtained almost anywhere throughout what is known as the crustaceous formation, has just been made near the Hergott Springs Railway Station. The boring party was under the charge of Mr. Field, a gentleman belonging to Victoria, and the special object was to see if water could not be procured for the engines without going to the Hergott Springs—a distance of two miles. The water was tapped at 330 ft., and began to flow over the surface at the rate of 90 gallons an hour. The boring was commenced on June 25, and the water was struck on July 31. This is considered very sharp work. The machine used was the Eucla diamond-crill. It cuts clean The machine used was the Eucla diamond-drill. It cuts clean through the strata, and brings the material up in solid cores or columns, which are of great value to the geologist. The water is stated to be excellent, but the full value of the discovery cannot be estimated until the analysis has been obtained

MEXICAN MINING PROGRESS,-The mining outlook of the Pachuca district has not presented, says El Eco de Hidalgo, such a fine aspect for many years as it does at the present, for with Santa Gertrudis again on the Dividend List, the Dificultad Mine in bonanza, the again on the Dividence List, the Discussion at 18 to the action at El Bordo Mine, we can truly say Pachuca still carries the sway as a silver-producing district. The accident to the pump at San Buena Mine has to a slight extent impeded operations in the lewer levels but this will very soon be remedied. At La Blanca Mine the drift being driven to communicate with the winze, in which paying metal was met with in the old part of the mine, will shortly be completed, which fact must materially affect the price of shares. At La Estrella y Altagracia Mines a drift either driven east on the lode, and strong hopes are entertained of meeting with paying ore in a short time. The share as well as every other market has assumed a better aspect since the election of General Porfirio Dias as President of this Republic, and the renewal of political relations with England has also conduced not a little to benefit Porfirio Dias as President of this Republic, and the little to benefit itself relations with England has also conduced not a little to benefit the condition of this country, there being now greater confidence is all business matters, without which no country can progress. The house for the large pumping-engine to be erected at El Bordo Min is almost completed. It is expected that the Dolores engine at the Real del Monte will be set to work in about two weeks' time.

# WATSON BROTHERS MINING CIRCULAR,

WATSON BROTHERS, MINEOWNERS, STOCK AND SHARE DEALERS, to 1, ST MICHAEL'S ALLEY CORNHILL, LONDON

The New Van Company is in 30,000 shares of 10s. each; 15,000 have been given to the old shareholders, 15,000 issued to them at 10s. each, and the letters of allotment were sent out on Wednesday week. The capital thus raised is 7500L, and the company hope to make profits at once. The agents are of opinion that the discovery in the western part of the mine is the same course of ore that has been so rich in the eastern part. An independent report which has been handed to us says:—"The stopes between the two shafts from the 60 level downwards are calculated to produce from 45 to 60 sos of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for (say) two years, and can be got away at a most of lead a month for lead of lead a month for of lead a month for (say) two years, and can be got away at a prosi (say) from 100% to 130%. a month;" but this does not include the trial at Edwards' shaft. "I consider," the agent goes on to say," the prospects of the mine to be very good indeed; and if the 150 at £4. wards' be reached in slate rock, and the veins not found productive, I shall be very much disappointed; the indications in the 120 south cross-cut speak volumes for a rich lode below."

cross-cut speak volumes for a rich lode below."

The additional capital, so far as we understand, is to work the western mine at Edwards' shaft referred to. The old, or eastern mine, where the ore at present is, may make profits to divide atonce. The shares were all offered to the old shareholders, and are now salled 12s. 6d. per share.

Called 12s. 6d. per share.

On Friday last the agent of Prince of Wales wrote to the office that a slight accident had happened to the machinery—the nonle of the engine blew out. Upon this the shares were in London knocked down 4s. per share The nozzle was put right in a day, and the engine at work again, and the mine in fork on Saturday afternoon. This was referred to at the meeting, which was not only largely attended but one of the most unanimous ever held. The agent, who is never over sanguine, thinks we shall have one of the best tin mines in East Cornwall or Devon; and if the 102 cast should continue worth 20t. per fathom he can pay costs of the mine. He is also daily looking for a discovery in the 90 west at the approaching junction of the silver and copper lodes.

The 30 west at New Langford is going into virgin ground, and the agent writes that the lode is large and strong, composed of silvery mundic, quartz, and good stones of copper ore; a strong, masterly lode. A large shareholder in the mine, who has known the district for 40 years, writes us, without having seen or heard of the agent's letter, which arrived at the office by the same post—"I wish to see Langford a great mine, and you are doing all you can to wish to see Langtora a great mine, and you are doing an you can o make it so. There appears to be a fine lead lode going west at the 30, in what is called the dark killas, where I hope a rich lead lode exists." We hope so too, and any day may see a change for the better in the property. There are several points of interest, any one of which may turn to account ere long.

Never having believed in, or taken any interest in Indian gold mines, we cannot advise our correspondent. We would not touch heavily burdened gold mine anywhere.

Our remarks upon mines in this Circular are based upon official and recognised reports; the best, in fact, that we can obtain. There is much, perhaps, at times that we could say, but prefer not saying. We are always, however, glad to answer or advise our correspondent or anyone else privately to the best of our judgment. The nature of mining is so speculative and uncertain that for the last 40 years we have kept before the readers of our Circular and others the above facts, and that while we give our opinions based on the best authorities we can get we cannot on such an uncertain and fluctuating property as mining be held to blame if results are so "very different" to what we have been led, and have thus led others, to expect. There is one 'hing we can say positively, and that is what we recommed strongly we go into ourselves, and stick to them, and advise "A X." of the same. When Crebors dropped to a mere nominal price, and were, in fact, unsaleable, those to whom we had recommended shares did not forget to remind us of it. When, however, the shares requickly from 1s. 6d. to 13t, they took all the credit of their specula tion in the mine to themselves.

The bottom level at West Crebor looks like coming into ore. At New Caradon the lode lately cut is 3 ft. wide and improving. A very good discovery has been made in the Menadue lode in New West Caradon, worth 1 ton of ore per fathom.

LITERARY SUICIDE.—The friends of Venezuela will learn with a little surprise, though not perhaps with entire dissatisfaction, that at the early age of six months the Anglo-Venezuelan Review has deliberately suicided. Born of the chagrin and disappointment of a replaced Venezuelan Minister, and carefully nurtured by himself and friends with vinegar and wormwood, it gave some promise of enjoying a long-continued life of uselessness—for it discussed adversely almost everything connected with Venezuela, and was careful to give greater prominence to petty scandals connected with the in-ternal domestic affairs of the gentlemen whose names were mentioned than to the alleged abuses which have existed in the Republic—but it was not to be so. Acting upon the glorious motto of "Men, not measures" the editorial ability displayed succeeded completely in depriving Venezuelan mining enterprise of the British financial support it would otherwise have received. Messrs, De Rojas Brothers may congratulate themselves upon baying introduced into this country may congratulate themselves upon having introduced into this country a style of attack previously quite unknown in the better class of periodical literature, and are entitled to the congratulations of all especially of those who desire to see the mines of Venezuela de loped and the Republic prosperous, upon their decision with regard to the Anglo-Venezuelan Review—" to suspend further publication apon their decision to suspend further publications and "during for the present for several important reasons," and existence of the present Government."

BRITISH ASSOCIATION.—The success of the recent visit to Montreal was largely promoted by Sir J. W. Dawson, Principal of M'Gill College, who has recently been knighted. He is looked upon as the leading scientist in the dominion, being especially distinguished for his researches in geology. His popular works on this subject—"The Story of Earth and Man," "Fossil Men," and "The Origin of the World"—are published in this country by Messrs. Hodder and Stonghon. Stoughton.

CANADIAN MINING.—On the whole, says the Montreal Daily Witness, mining in the North-west and beyond cannot be said to have been attended with much success so far. The precious metals exist in paying quantities, but they cannot be got at without a liberal expenditure of capital, which it is difficult to procare at the present depressed time. the present depressed time.

COPPER, TIN, AND LEAD .- Mesers FRY, JAMES, and Co. (Oct 2 write: - COPPER has been steady in value since our last, with an for consumption and export, sufficient to cause a further reduct and advised supplies. - Tim: The weakness in the market otted in timed, and resulted in a gradual decline in value of fully 2l. pst times steady at laterates

1884

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### ITALIAN METALLURGICAL INDUSTRY.

Tralian Metallurgical industry.

The ironworks of San Giovanni, in the Val d'Arno, were first established in 1872. The company promoting the enterprise was unsucsful, owing, it is said, to the inferior quality of the products, and castle, owing, it is said, to the inferior quality of the products, and castle, owing, it is said, to the inferior quality of the products, and castle, which they are profitably conducted. The official domilializate, by which they are profitably conducted. The official domilializate, is a superior of the company in the company in the company in Is and the sepaid up. In addition to the works of San Giovanni, and the seighbouring mine of lignite, the company holds the ironworks of neighbouring mine of lignite, the company holds the ironworks of neighbouring mine of lignite, the company, in 1882, amounted vechia). The total gross receipts of the company, in 1882, amounted vechia). The total gross receipts of the company, in 1882, amounted vechia). The total gross receipts for the works of San Giovanni. New buildings and machinery parts at the works of San Giovanni. New buildings and machinery parts at the works of San Giovanni. New buildings and machinery have been added, and the monthly output has been raised from about 800 tons to 1400 tons. The gross receipts for the works rose form 87,000 lire in 1881 to 147,000 lire in 1882. Attention is now form 87,000 lire in 1881 to 147,000 lire in 1882. Attention is now form 87,000 lire in 1881 to 147,000 lire in 1882. Attention is now form 87,000 lire in 1881 to 147,000 lire in 1882, and articles, such as rolled joist ("travetti"), are also being made, and articles, such as rolled joist ("travetti"), are also being made, and articles, such as rolled joist ("travetti"), are also being made, and articles, such as rolled joist ("travetti"), are also being made, and articles, such as rolled form a shout for 7, angle, and other iron bars of various qualities, which, up to the present time, had semployed at the works of San Giovanni is about 600. The

workmen are all Tuscans, many coming from the heightestandard of pistojs. The foremen at the furnaces are paid 7 lire per diem; the pistojs. The foremen at the furnaces, three puddling furnaces on the Siemens gas system, four rolling mills, &c. The engines set on the Siemens gas system, four rolling mills, &c. The engines set pat the works are from Stuttgard, with a total of 400-horse power. The iron driving-wheel, made at Treviso, is 6:50 metres in diameter. The iron driving-wheel, made at Treviso, is 6:50 metres in diameter. The iron driving-wheel, made at Treviso, is 6:50 metres in diameter. The iron driving-wheel, made at Treviso, is 6:50 metres in diameter. Diameter kinds pig-iron, made from Elba ore, melted at Follonica, and pig Mesars. Tardy, of Vada, is employed; English pig-iron from by Mesars. Tardy, of Vada, is employed; English pig-iron from Middlesborough is also used. The only difficulty in the way of the more extended use of English iron is the elevated railway tariff of cents per kilom. and the difficulties of landing at Leghorn, so that the white pig-iron of Middlesborough, which costs 62 lire on board at Leghorn, has to pay in addition, 9 lire 50 cents per ton for carriage to be delivered at San Giovanni.

Fuel is supplied by the lignite bed of Castelnuovo, which is connected with the works by a line of railway, a branch of the main line between Rome and Florence 7 kiloms, in length. The greater part, I believe about two-thirds of the whole basin, belongs to the company. Three years ago it was calculated that a total supply of 20,000,000 tons was available, which at an average production of 100,000 tons per annum would last for 200 years. The deposit of 100,000 tons per annum would last for 200 years. The deposit of 100,000 tons per annum would last for 200 years. The deposit of 100,000 tons per annum would last for 200 years. The deposit of 100,000 tons per annum would last for 200 years. The deposit of 100,000 tons per annum would last for 200 years. The deposit of 100,000 tons per annum wou

workers in brass and copper, locksmiths, &c., at 145; and of tinsmiths and pewterers, at 63.

Works in manufactured iron are produced by various makers, but the workshops are all on a small scale. Messrs. Migliorini, of Arezzo, manufactures well-constructed safes; Signor Martini, also of Arezzo, makes locks, &c. The Italians in general are excellent workers in metal. Messrs. Bertilacchi and Battaglini's factory for agricultural machines and implements was founded at Arezzo in 1876 with three hands. Employment is now given to 70 hands, which shows a very satisfactory improvement in this branch of industry. The wages paid are from 2 lire to 2 lire 50 c. per diem. Branch houses have been established at Foiano, in the Val di Chiana, and at Castigion Fiorentino. The principal articles produced are threshing machines, ploughs, wine and oil presses, &c. Mining and sporting powder are manufactured at Chitignano, in the Tiber valley, and in the neighbourhood of Arezzo. There are seven mills, the average annual production of which amounts to 2340 quintals, of the value of 305,000 lire; 50 hands are employed at wages, averaging from 1 lira &c. to 2 lire 70 c. per diem. In San Sepoloro there is a potash factory. The potash is obtained from the development of carbonic acid gas, produced by an acidulo-ferruginous spring, and is of excellent quality. The industry employs about 30 hands. Near the city of Arezzo, Messrs. Vannini Brothers have a small factory of white lead, bicarbonate of soda and potash, which gives work to some 12 hands.

lean, dearbonate of soda and potash, which gives work to some 12 hands.

A statistical enquiry into the condition of the industrial classes is now being carried on in Italy. The interest of the subject is undoubted; but from the variety of the conditions of the different families, even in the same locality, it is very difficult to obtain more than general impressions; the information produced can, therefore be considered as approximative only. From the reports received from several manufacturers of the province of Arezzo, it would appear that the cost of living, for food only, for an adult male operative may be taken at about 5 lire 88 c. per week; for a woman at 3 lire 86 c.; for children less in proportion, the average rising or falling according to the rate of wages and local prices. The regular number of meals per diem is three, but in summer an additional "merenda" or lunch is added. The meals are simple—in the morning bread, sometimes spread over with a little clive oil, occasionally accompanied by milk and coffee; at dinner bread, with sausage, salt fish, cheese, or fruit; in the evening soup, made with Italian pastes or vegetables, and an occasional piece of meat.

hab, cheese, or fruit; in the evening soup, made with a decided of vegetables, and an occasional piece of meat.

In general meat appears to be eaten only once a week, sometimes thrice, and in a few cases oftener. The average quantity of meat consumed by an adult male may be taken at 542 grammes per week.

The break state is consulted from wheaten flour, but occasionally thrice, and in a few cases oftener. The average quantity of measurements of the bread eaten is generally of pure wheaten flour, but occasionally mixed; the average consumption may be taken at a little above 66 kilos per week for an adult male. But it must be observed that where less meat is used the consumption of bread is greater, and vice reras. For women and children the average consumption is proportionally less. Potenta, made of Indian corn, is also eaten as well as chesnut flour in the winter. Wine is drunk, but more plentifully by the men in the taverns than by the family at home, and the house-hold supply is usually of a very light quality. The price of beef appears to vary between 1 lira 45 c. and 1 lira 65 c. per kilo.; of lamb and goat, between 75 cents. and 1 lira per kilo.; of wheaten flour, from 27 cents. to 42 cents., the average being 33 cents. per kilo.; while wine costs from 27 cents. to 50 cents. per litre, according to quality. Three or four of the principal manufacturers of the province have established stores for supplying their hands with wheaten flour and wine, but the majority of the workpeople do not appear to resort to them, the facilities of credit granted by the village traders being often too great a temptation to be withstood. appear to resort to them, the facilities of credit granted lage traders being often too great a temptation to be withstood.

The great desire of the ordinary operative is to secure a house, or even a room of his own, so that, in times of trouble, he would always be sure of having a roof over his head. It would be well if he were assisted in employing his savings in a direction which would tend to render him more generally provident. The total number of benefit societies existing in the province is 25, which, at the end of 1881, possessed a united capital of 173,899 lire, with 3905 effective and 382 honorary members. Their income in 1881 amounted to 41,276, lire, while their total expenditure did not exceed 24,174 lire. The societies are generally formed between actisans; one only includes by name agricultural labourers and metayers. They appear all to have been founded between 1861 and 1876, with the exception of that of the hatters, which dates from 1738. Of the total societies seven admit male members only, and 18 receive both male and female members. The minimum age for admission into the societies generally varies between 12 and 15, the maximum between 40 and 55 years. The entrance fee ranges between 10 lira and 15 lire; the annual subscription between 4 lire and 18 lira; the aid given per diem in time of sickness between 50 c. and 1 lire 50 c. In 1881, 741 members were in receipt of sick relief for a total period of 27,273 days, at an expenditure of 13,236 lire.

Association of the total expenditure of 13,236 lire.

INTERNATIONAL INVENTIONS EXHIBITION

LONDON, 1885.

DIVISION I.—INVENTIONS. DIVISION II.—MUSIC.

PARESIDENT.

H.R.H. The PRINCE OF WALES, K.G.

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Anglo-Venezuelan Review.—The October number—the sixth—of this admirably printed circular, Messrs. De Rojas Brothers, favours their readers with a brilliant valedictory. La Opinion Nacional of Caracas having commenced to attack the Review and member of its editor's family, the timely withdrawal of one of the combatants cannot but be conducive to that tranquility which every true Venezuelan so much desires.

RAILWAY COMPANIES DIRECTORY.—The forthcoming issue of this Directory for 1885, edited by Mr. Percy Lindley, will give the directors, officers, and agents of the railways of the United Kingdom, together with the capital subscribed, expended, and available, receipts and expenditure, dividends, and mileage, compiled from official sources.

OLD SHEPHERDS.—The plans of operation at this mine have been laid down with skill and carried out with rapidity; drained to the bottom (120 fms. from surface), necessary levels are being driven, leaving in the backs and bottoms of such drivages rich mineral reserves, and cross-cuts to the other lodes are being pushed forward. The result is greatly increased returns and the possession of a mine of wealth leading to early dividend, the demand for shares and a further considerable rise in their market value being fully warranted by the riches opening up. ranted by the riches opening up.

GOLD AND SILVER.—Messrs, PIXLEY and ABELL (Oct. 2) write :—Gold: Since our last there has been more enquiry for gold, and all arrivals have been taken for export. The bank has lost 223,00%, chiefly in sovereigns, which have been sent to Egypt. The only arrivals are 44,00%, per Para, and a small, parcel from the Cape. The P. and O. steamer has taken 770%. Iron Gibraltar, 195,00%, to Egypt, and 70,00%, to Bombay.—Silver: Ex Para and Cotopari was sold at 13,46,4; to-day, however, some has been purchased at 50%d. The chief amounts to hand are—28,00%, from the West Indies, 45,00%, from New York, 73,70%, from Buenos Ayres, and 34,70%, from Chilli=181,40%. 45,00%, has gone this week to Bombay. Mexican dollars ere quite nominal, and there are very few offering. The imports are—102,200%, from West Indies, and 440%, from New York, The quotations for bullion are—Bar gold, fine, 77s. 9d. per ounce, standard; bar gold containing 20 dwts. silver, 77s. 1040, per ounce, standard; cake silver, 54%d. per ounce; quicksilver, 54. 10s. to 54. 12s.; discount 3 per cent. GOLD AND SILVER .- Messrs. PIXLEY and ABELL (Oct. 2) write :-

GAS SHARES.—The principal business in these shares, according to this evening's report of Messrs. W. L. Webb and Co., of the Stock Exchange and Finch-lane, has been:—Bahia (Limited) Ordinary, 25 to 25½; Bombay (Limited), 6½ to 7½; ditto, New, 5½; British Gas Light (Limited), 43; Buenos Ayres, New (Limited), 13½ to 13½; ditto, 6 per cent. Debentures, 1828, 106½ to 107; Oagliari Gas and Water (Limited), 22 to 22½; Commercial, 4½ per Cent. Debentures Stock, 120½; Continental Union (Limited), Original, 37½ to 37½; ditto, 7 per cent. Preference, 30½ to 31½; Gas Light and Coke, A. Ordinary, 223 to 22½; ditto, 6, D. and E. 10 per cent. pref., 239 to 233½; ditto, G. 7½ ditto, 163; ditto, H. 7 per cent. Maximum, 152; ditto, 4 per cent. Debentures Stock, 110½; ditto, 6 per cent. ditto, 162; Imperial Continental, 205½ to 207½; Oriental, New, 7½; Pars (Limited), 5½; lito de Janeiro (Limited), 22½ to 23½; South Metropolitan, B, 220½ to 221; Monte Video (Limited), 22½ to 23½; South Metropolitan, B, 220½ to 221; Monte Video (Limited), 24½ to 17½. Gas stocks firm, but little doing. Buenos Ayres easier, upon news of floods which stopped the lighting for a day.

INSURANCE SHARES have, according to this evening's report of Messrs. W. L. Webb and Co., of the Stock Exchange and Finch-lane, been dealt in as follows:—Alliance British and Foreign, 37½ to 38; City of London Fire (Limited), ½ to ½; City of London Maxime Insurance Corporation (Limited), ½; Imperial Fire, 153 to 154½; London, 50½ to 50½; London and Provincial Maxime (Limited), 24½; London, 50½ to 50½; London and Provincial Maxime (Limited), 35½; Railway Passengers, 7½; Royal Insurance, 28½ to 23½; Insurance little doing.

TRAMWAYS.—The closing prices of this evening, as quoted by Mr. W. Abbott, of the december of this evening, as quoted by Mr. W. Abbott, of the control of this evening, as quoted by Mr.

Date Oct.		Mines. Holway	Ton	A D	rice	per	te	n.	Purchasers, Walker, Parker, & C	0.
Sept.2	0— ditt	Mines.	Ton 100 50	LEN	£ 2	De	6	******	Purchasers. Vivian and Sons. J. F. Kimmel. Dillwyn and Co.	
Oct.	-Great	Holway stwyth fitte	120	********	3	12	0	******		

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W. G. BAGNALL, CASTLE ENGINE WORKS, STAFFORD.

TO MINE, COLLIERY OWNERS, AND OTHERS. A MEDICAL MAN of many years' general practice in the East end of London, is desirous of OBTAINING MEDICAL CHARGE of ONE or MORE (South Wales preferred) COLLIERES. Can produce the highest testimonials as to integrity and skill, or would exchange practices with another Medical Man desirous of town life. Address, "Alpha," 85, Gore-road, South Hackney, London.

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PRACTICAL MINING ENGINEER, who has had several years experience in various parts of Europe, America, and Africa, is OPEN to a RE-ENGAGEMENT. Thoroughly experienced in Rock Drills, Automatic Dressing Machinery, Pumping, Winding, Assaying, and Surveying. Speaks French and German. Unexceptional references. Age 41.

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These must be filled up and returned on or before the 1st Nov.,

REVUE TECHNIQUE, COMMERCIALE, ET FINANCIERE, sous la direction de Mr. l'Ingénieur P. DESGUIN. Parattra le 4 Juillet, 1884, et successivement les Vendredi de chaque semaine. Il contiendra des articles d'actualité sur l'agriculture, la navigation, les mines, la construction, les machines, les chemines-de-fer, les canaux, les travaux publics, le droît industriel et commercial, les inventions, et les perfectionnements, et principalement sur l'Exposition Internationale d'Anvers, dont il publiera les plans, les dessins, et documents de tous genre.

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Ingénieur-Administrateur.

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Also, ONE 20 inch UNIVERSAL PULVERISER. Will reduce to powder any refractory material, wet or dry, Tin Ores, Quartz, &c. Apply.—

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ONE AIR-COMPRESSING ENGINE, with 12 inch cylinders, 3 and 3\frac{1}{2} in. rock drills, stretcher bars, &c., &c. Our Machines have been driving levels in hard rock 3 to 4 fathoms per week forward.

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PORTABLE STEAM ENGINE FOR SALE, with two 9½ inch
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A 9 H.P. VERTICAL STEAM ENGINE, with link motion reversing
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A 6 ft. pan MORTAR MILL, VERTICAL ENGINE, and BOILER
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This quarry has been worked for several years by a private company, whe
desire now to part with it as it requires more capital for its further development.
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TWO GOOD WINDING ENGINES, each with cylinder 15½ in. diameter, 2 ft. 7 in. stocke, with drums, brake, and reversing gear.
ONE ditto, with cylinder 20½ in. diameter, 4 ft. stroke, with fly wheel and one ditto, with cylinder 15 in. diameter, 30 in. stroke, drum brake, and eversing gear.

TWO BEAM CONDENSING ENGINES, each with cylinder 21 in. diameter,
ft. stroke, nozzles, side pipes, and double beat valves.

ONE STEAM SHEARING MACHINE, with cylinder 8 in. diameter, 8 in.
troke, to cut bars up to 3 in. ×2 in. at 20 strokes per minute.

Also a large quantity of PIPES and other COLLIERY MATERIAL.
For further particulars and to view, apply,—

THE COALBROOKDALE COMPANY (LIMITED).

FOR SALE—
ONE 50 inch and ONE 40 inch PUMPING ENGINES, with BOILERS
and FITTINGS.
ONE 22 inch ROTARY ENGINE.
ONE 12½ inch HORIZONTAL ENGINE, with CAPSTAN and HAULING
MACHINE attached.
All the above Engines are in first-class condition.
Several WATER WHEELS, from 20 to 60 feet diameter. STAMPS' AXLES
and a large quantity of SECONDHAND MINING MATERIALS.
Apply to—
J. AND H. PEARCE, TAVY IRONWORKS, TAVISTOCK.

NORWEGIAN ORES. — CHROME ORE, PYRITES, COPPER ORE, IRON ORE, COBALT, and NICKEL ORE, &c., FOR SALE. Apply to Mr. H. T. HORNEMAN, Mining Engineer, Throndhjem,

COPPER ORE,

Containing 20 per cent. and 30 per cent. Copper.

WANTED, 150 TONS PER MONTH FOR TEN YEARS.—
Reply, stating price, with average samples, to "Copper,
16, Queen Victoria-street, E.C.

NEW TERRAS MINE.

WANTED, FIVE HUNDRED SHARES, or any less number.— State lowest price and full particulars, by letter, to Thomas WILLIAMS, 110, Cannon-street, London, E.C.

### DIAMOND BORING.

WANTED, a MAN thoroughly competent to TAKE CHARGE of DEEP BORING OPERATIONS in Spain. One who can set diamonds preferred. State experience and wages expected. Address, "D. B. 157," Messrs. Deacon's, Leadenhall-street, London.

WANTED, a SITUATION by a young Mechanical and Mining Engineer; two years at the School of Mines at Freiberg; three years' experience as Assistant in a large Mine in Spain; practical Surveyor and Analyst; corresponds and speaks fluently French, Spanish, and German, acquired abroad; excellent certificates and

references.
Address, "St. Inst. C. E.," care of R. MEDLEY, Ventnor, Isle of Wight.

MINING CAPTAIN WANTED for the Continent having experience in Calamine Workings.
Address, "Calamine," 110, Cannon-street, E.C.

WANTED, a FEW CAPITALISTS to join in SECURING some very valuable GOLD MINING and LAND PROPERTIES, from which large profits can be made.

For particulars apply to THOMAS CORNISH, M.E., care of MINING JOURNAL Office, 26, Fleet-street, E.C.

A GENTS WANTED TO PUSH FIRST-CLASS MACHINERY OILS commanding a large and successful sale. Liberal Address, " Box 201," Post Office, Liverpool.

WILLIAM ELMORE (LIMITED). OFFERS WANTED for TWO, FOUR, or SIX DEBENTURES of £50 each. For prospectus of the company, see Mining Journal of May 26, 1883. No reasonable offer will be refused. Money wanted. Address, "Dynamo," MINING JOURNAL Office, 26, Fleet-street,

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# DYNAMITE (BLECTRIC) EXPLODERS

ELECTRIC MINE BELLS. "The Telegraph Bells and Indicators you fitted for us in 1871 are still going admirably. It is, indeed, the soundest work we have yet seen, and the trifling cost of maintenance leaves no doubt that for all Mining and Commercial purposes the Electric system holds a decided advantage over all others for efficiency

system north," and durability." BELL, PUSH, 50 YARDS INSULATED WIRE, and BATTERY complete on receipt of 25s. Suitable for easily communicating between distances.

communicating between distances.

Architects, Builders, Mining Engineers, Gas Fitters, and others desirous of using Electric Bells can be supplied with all the necessary stores and instructions for fitting. Estimates given for supplying and fitting Electric Bells, Lightning Conductors, Fire Telegraphs, Speaking Tubes, &c., on application. Vulcanised Indiarubber and Canvas Hose, Special Tubing for Acids, Gas, and Chemicals, Indiarubber Mats, Valves, Washers, Sheet, Rings, &c. Gutta Percha and Ebonite goods. Signals for Shafts, &c.

The Trade and Shippers supplied. Catalogue on application.

PATENT ELECTRIC GAS LIGHTER, 21s., carriage paid.

Our new PATENT ELECTRIC GAS LIGHTER, having no battery, is practically inexhaustible.

tery, is practically inexhaustible.

ELECTRIC LAMPS for TABLE or OFFICE use.

FRANCIS AND CO., EAGLE TELEGRAPH WORKS, HATTON GARDEN, E.C.

MINING TELEGRAPHS ERECTED.

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Messrs. C. H. THOMPSON and Co., Ore Merchants, London and Swansea.
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TERMS, VERY MODERATE, ON APPLICATION.

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Inspects, Values, and Reports on Collieries, Mines, and Mineral Properties, and advises on all Mining matters, and the construction and erection of Mining Machinery.

MINING ENGINEER.

ALEX DEL MAR,

Mining Engineer, late Director of the United States Bureau of

Mining Commissioner for the United States Monetary Comm

Author of a "History of the Precious Metalf," &c.

120, SUTTER STREET, SAN FRANCISCO. of Statistics, Cable Address: " Del Mar, San Franci

WM. BREDEMEYER,

MINING, CONSULTING, AND CIVIL ENGINEER, ROOM No. 11, HOOPER ELDRIDGE'S BUILDING,

MAIN STREET, SALT LAKE CITY, UTAH, United States Mineral Surveyor for Utah and Idaho, Notary Public, Goological Examinations, Reports on Mining Properties; Surveys Mines, Railroads, and Canals, and Superintends the Workings of the same. Prepares Estimates and Plans for Opening and Working Mines. Expert on Mining Questions before the Courts. ourts. Address, P. O. Box, 1157, Salt Lake City, Utah.

OHN ROBERTSON, F.S.A., MINING AND CONSULTING ENGINEER, LAS VEGAS, NEW MEXICO.

Mines and Mining Claims carefully examined, Assays made of their Ores, and reliable Reports furnished.

Mining Properties bought and sold on commission. Has special facilities for napecting properties in Mexico.

References by the permission: -L. P. BROWNE, Esq., Las Vegas, New Mexico; Don P. A. MANZANARES, Las Vegas, New Mexico; His Excellency H. M. HOTT, Ex-Governor of Pennsylvania, Harrisburg, Pa.; H.S. PIERCE, Esq., Banker, Scranton, Pa.; Hon. John Handley, President Judge 45th Judicial District, Scranton, Pa.; Hon. John Handley, President Judge 45th Judicial District, Scranton, Pa.; H. SHAFEE, Esq., Cashier Third National Bank, Scranton, Pa.; E. B.

STURGES, Esq., Attorney-at-Law, Scranton, Pa.; E. B.

STURGES, Esq., Attorney-at-Law, Scranton, Pa.; E. B., STURGES, Esq., Attorney-at-Law, Scranton, Providence, Pa.; Hon. Sir John P. CLARKE, Baronet, Tilliepronie, Aberdeenshire, Scotland: R. L. CHANGE, Esq., Birmingham, England; JOSEPH ROBERTSON, Esq., 17, Tokenhouse-yard, London.

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Mines Inspected and Reported on. Advice on Mining Management and Investment.

Twenty-five years' practical experience in Australia.

Author of "Gold Mining: its Results and its Requirements"—"Our Gold Supply: its Effects on Finance, Trade, Commerce, and Industries"—"A Trip to Colorado," &c.

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LEXANDER SMITH, M. Inst. C. E., CONSULTING A ENGINEER and VALUER of IRONWORKS, MINING, BAILWAY, ENGINEERING, and other PROPERTY, PLANT, and MACHINERY, PRIORY STREET, DUDLEY

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Mr. SMITH has been retained for nearly 20 years by some of the most prominent firms, and has conducted many of the largest valuations that have taken place in the kingdom. Valuations for Stock Taking or any other purpose upon very

A USTRALASIAN GOLD, TIN, COPPER, COAL, ANTIMONY, and other MINES REPORTED ON for public companies or private shareholders by WILLIAM NICHOLAS, F.G.S.,
Lecturer on Mining, University, Melbourne, Consulting Mining Engineer, Exchange, Melbourne, Victoria, Australia.

"E L U A L L A O," 32,200 SHARES.

Gold in bars produced in the month of August, 1884, and remitted to Messrs. Baring Brothers and Co., London—15,594·12 ozs.

DIVIDEND distributed per Share, 28 francs.

(Signed) A. LICCIONI, President.

(Signed) VICTOR J. GRILLET. Treasurer.

THE CANADA PACIFIC IRON AND STEEL RAIL

The Subscriber is desirous of opening communication with some party in England for the purpose of organising the above company.

One thousand acres of red hematite ore not far from the line of

S., HUBERT C. JONES, Solicitor, Brockville, Ontario, Canada

METALLURGICAL DEPARTMENT, KING'S COLLEGE. LONDON.
Under the direction of Prof. A. K. HUNTINGTON.

In the Laboratory, Metals and Alloys are examined mechanically with the aid of powerful Testing Machinery, as well as chemically.

Extraction and manufacturing processes investigated, and assays

FREE ENTRIES to the division of studies (day or evening) are obtainable through the City and Guilds Institute.

1875—M. 180. In the High Court of Justice—Char Mr. JUSTICE CHITTY.

GLAMORGANSHIRE IMPORTANT SALE OF FREEHOLD SURFACE AND MINERAL PROPERTY.

MINERAL PROPERTY.

THE MIERS ESTATE, in the parishes of Cadoxton-Juxta-Neath and Llan otherwise Llanguicke, consisting of the manors of Killybebill and I Ultra, and Caegurwen, together with about \$255...03. 37p. of arable, pa and common land, several rich veins of the coal and other minerals for the South Wales coal field is celebrated, with valuable collieries in active tion, and connected with the Midland and Great Western Railways ya The surface is divided into farms of convenient extent, with suitable built some of which are situate at the top of the Vale of Neath, far-famed ibeautiful scenery, TO BE SOLD BY AUCTION, BY

Deautiful scenery, TO BE SOLD BY AUCTION, BY

MESSRS. STEPHENSON AND ALEXANDER, the Auctioneers appointed with the approbation of Mr. Justice Chitty, the Judge to whose Court this cause is attached, at the Angel Hotel, Cardiff, on TUESDAY, the 14th October next, at Two P.M.

Fuller particulars may be obtained from Messrs. Talbor and Tasker, solicitors, 47, Bedford-row, London; Messrs. Griptith and Cornett, solicitors, Cardiff; Messrs. Torr, Janeways, and Co., solicitors, 38, Bedford-row, London; Messrs. Uptor, Atker, and Uptor, solicitors, 14, Austin Friars, London, E.C.; Messrs. Printer's Hall, Little Trinity-lane, London, E.C.; Mr. J. O. Jones, Mining Engineer, 34, Wire-street, Swanses; Mr. James Kempthounk, solicitor, Neath; Mr. D. Ress, Cardiffstreet, Aberdare; of the Auctioneers, at Cardiff; and at the place of sale.

In the High Court of Justice.

IN LIQUIDATION. ABERDUNA LEAD MINES (LIMITED).

THE LIQUIDATOR is prepared to RECEIVE TENDERS for the PURCHASE of the MINING RIGHTS, extending over about 150 acres, situated in the parish of Lianferres, in the county of Denbigh, close to good roads, and within easy access to Mold Station on the London and North-Western Railway, together with the

MACHINERY, PLANT, TOOLS, AND EFFECTS. mine is thoroughly equipped. Engine-shaft sunk to 125 yards. Best cry of lead made at last level driven out from the shaft at the depth indi-

Tenders will be received by Mr. WILLIAM THEOBALD, the Official Liquidator, on or before Twelve o'clock on Monday, the 27th October, 1834, at the offices of Messrs. THEOBALD BROTHERS and MIALL, F.C.A., 27, St. Swithin's-lane, London, E.C.

London, E.C.
Applications for Orders of Inspection of the Mines and Forms of Tender may
be obtained of the Official Liquidator; and particulars and conditions of sale
may be had of R. CHANDER, E.S., Solicitor, 86, Bishopsgate-street Within,
E.C.; Mr. RUPERT PRINCE, at the Mines, Mold; or of the Liquidator, WILLIAM
THEOBALD, Esq. (Theobaid Brothers and Misli), Chartered Accountant, 23, St.
Swithin's-lane, London, E.C.

TUESDAY, OCTOBER 21st, 1384, NOON. VERY VALUABLE MINE MACHINERY, PLANT, AND MATERIALS FOR SALE,

At NORTH PENSTRUTHAL MINE, in the parish of Gwennap, near Lan about one mile from Redruth, Cornwall.

MR. W. T. DAVEY, Auctioneer, Redruth, has been favoured with instructions TO SELL, BY PUBLIC AUCTION, on TUESDAY, October 21st next, at Twelve o'clock, at the above Mine, the WHOLE of the FIRST-CLASS

MACHINERY, PLANT, AND MATERIALS

THEREON, COMPRISIN

ONE good 50 in. cylinder Cornish PUMPING ENGINE, equal beam, 10 ft. stroke, with first piece of main rod; two excellent Cornish boilers, with fittings, 12 tons and 10 tons respectively.

ONE 23 in. cylinder horizontal WINDING ENGINE, 5 ft. stroke (crank shaft and fly wheel, air pump and condenser), nearly new, by Harvey and Co., with extended bed plate, and 18 in. air compressor, cylinder 6 ft. stroke; one new 18 in. air cylinder, 6 ft. stroke, to replace present one, one 10 ton Cornish boiler and fittings.

18 in. air cylinder, 6 ft. stroke, to replace present one, one 10 ton Cornish boiler and fittings.

ONE 31 in. cylinder STAMPING ENGINE, equal beam, 9 ft. stroke, with two excellent fly wheels, and one 10 ton Cornish boiler and fittings; two nearly new stamps size (32 heads), with cams, braces, &c., complets; ten round buddles, with driving gear, stands, stays, &c.; two excellent air receivers, about 8 tons; dry tube, &c., about 3 tons; about 300 fms. of 3 in. iron air pipes, with faced flanges; one double power winch; one 4 ton boiler; three 3½ in. rock boring machine drills, three stretcher bars, with clamps; one 60 ft. shears, with sheaves; three balance bobs; shaft tackle, &c., 150 fms. rods, 12 to 7 in.; 60 fms. superior flat rods, with travelling wheels, &c., complete; 270 fms. of pitwork of various sizes, from 7 to 12 in., including H and door pieces and poles; 250 fms. 3 in. circular steel wire rope: 3c fms. of 1½ in. iron bucket rods; 200 fms. is ron stave ladders; 100 fms. launders, various sizes; a quantity of staples and glands; fagotted and hammered rod plates; chain; raliroad iron; smith and miners' tools; new steel and iron; wood sheds; casing planks; useful timber and other materials in general use in mines; account house furniture and other effects.

The foregoing machinery, plank, and materials will be first offered in One Lot, and if not sold will immediately be put up in Lots to suit the convenience of purchasers.

urchasers.

The machinery and materials will be found in first-class working condition, dup to the stoppage of the mine the engines, boilers, &c., were maintained thoroughly efficient working order.

The engines were regularly indicated by Messrs. Hocking and Son, and presented very good indicator diagrams.

REFRESHMENTS WILL, BE PROVIDED.

To view, apply to the Agents on the Mine; and for further particulars to Mr. E. ASHMEAD, the Secretary, 2, Drapers' Gardens, London: or to the Auctioneer, 4, Station Hill, Redruth.—1st October, 1884.

NEAR TREPRIM AND BETTWS-Y-COED, COUNTY OF CARNARVON.

THE GWYDYR AMALGAMARED MINES COMPANY (LIMITED).

TO MINING PROPRIETORS, IRON MERCHANTS, AND OTHERS.

MESSRS. WM. DEW AND SON are instructed by the Liquidator of the above to SELL, BY PUBLIC AUCTION, on WEDNESDAY, the 5th day of October, 1854, the WHOLE of the

MINING PLANT AND MACHINERY, viz.

AT ABERLLYN MINE.

At 30 ft. diameter water wheel, 4 ft. breast; a 12 ft. ditto, 2 ft. breast; a 14 in.

Blake's patent stone crusher; two sets of large and one small automatic jiggers;
a 5 ft. incline drum, with 70 fms. of 1 in. diameter wire rope; 240 fms. of tram
road, and four tram waggons; smith's bellows, vice, tools, corrugated iron roofing, &c. AT CLEMENTINA MINE.

A water wheel, 50 ft. diameter, 2 ft. breast; ditto, 13 ft. diameter, 3 ft. br. 124 fms. of 1½ in. iron rods, iron sweep rod with brasses, heavy three and arm bobs, drawing lifts, 44 fms. of 3 in. drawing lifts, 149 fms. ½ in. diam wire rope; one winding drum, 3 ft. diameter; one 22 in. patent double bellows, avuil, vice, tools, stocks and dies, corrugated iron roof, crab wiscrew jack, c.Nes furniture, &c. mence at Aberllyn Mine at Eleven A.M.

The whole of the Plant at each Mine will be offered in the first instance in One Lot, and if not so sold then in separate Lots as per catalogue.

Breaks will meet the 9-2 A.M. train at Lianrwst Station to convey intending

Catalogues may be had at any of the Hotels in the district; of the Liquid Mr. EDWARD ASHMEAD, F.C.A., 2, Drapers' Gardens, London, E.C.; M. STACPOOLE and SON, Solicitors, Pinner's Hall, Old Broad-street, London; a the Auctioneers, Bangor, Rhyl, and Denbigh.

TOWNSHIP OF GWYDYR, NEAR LLANRWST, NORTH WALES. THE D'ERESBY MOUNTAIN MINING COMPANY (LIMITED).

IN LIQUIDATION.

R. F. M. WHITTINGHAM WILL SELL, by order of the Liquidator, BY PUBLIO AUCTION, at the Guildhall Tavern, Greshamstreet, London, on THURSDAY, the 18th day of October, 1884, at Two o'clook P.M. precisely, according to the conditions of sale to be produced at time and place of sale, the WHOLE of the

MACHINERY AND MATERIALS

MACHINERY AND MATERIALS

Belonging to the D'Eresby Mountain Mining Company (Limited), together with the LEGAL and EQUITABLE INTEREST in the LEGAE on which the mine belonging to this company is worked, AS A GOING CONCERN.

There will be included in the sale one 10 horse power semi-portable steam engine, with pumping and winding gear; winding drum; one 30 ft. diameter water wheel; one portable engine for drawing; one Cornsh crusher; one Blake's stone breaker; two sets of self-acting jiggers; tram wagons; kibbles; 70 fms. of \$\frac{1}{2}\$ in. diameter steel wire rope; pumps; rots; and all other machinery and materials belonging to the company; including a variety of useful materials for the continued working of the mine.

Held under lease from the Baroness Willoughby D'Eresby, from Nov. 20, 1877, for 21 years, at an annual rest of £106 per annum, or a royalty of 1-12th on ores raised, and an additional charge of £5 for use of reservoir.

For further particulars apply to the Liquidator, Mr. Edward Ashmead, F.C.A., 2, Drapers' Gardens, London; Messya. Staccoote and Sox, Solicitors, 2, Finner's Hall, Old Broad-street, London; Capt. John Roberts, Bryn Crafmant, Tretriw, Morth Wales; and of the Auctioneer, Mr. F. M. Whittingham, 5, Bishopsgate-street Within, London.

FOR SALE, at BRENDON HILLS MINES:—
9 feet, with fly wheel, winding gear attached, with one 12 ton boller.
Also ONE 25 inch cylinder FUMPING and WINDING ENGINE, stroke 9 feet by 7, with fly wheel, winding gear attached, with one 10 ton boller fitted with Galloway tubes.

Galloway tubes. Any further information may be obtained from Capt. HENRY SKEWIS, Brendon Hills Mines, Washford, Taunton.—Dated March 12, 1834.

IN LIQUIDATION

THE MWYNDY IRON ORE COMPANY. SALE OF THE FREEHOLD AND LEASEHOLD PROPERTIES. SALE OF THE FREEROLD AND BRANCH AND RAILWAY TRUCKS. MESSRS. STEPHENSON AND ALEXANDER are instructed by the Liquidator TO SELL, BY AUOTION, at the Royal Hotel, One BATURDAY, the 25th day of October, 1884, at Half-past Three o'clock, p.

FREEHOLD AND LEASEHOLD HEMATITE IRON ORE MINES,

FREEHOLD AND LEASEHOLD HEMATITE IRON ORE MINES.

With the POWERFUL ENGINES, and other fixed and movable plant, ralley sidings, and materials, together with 90 KAILWAY WAGONS.

Lot 1.—The MWYNDY HEMATITE IRON ORE MINES, which are breeked and containing about 70 acres or thereabouts, with the powerful pumping at drawing engines, fixed and movable plant, smith's and other workshops, as mills, under manager's house, and five cottages, rallway sidings, and other workshops, as mills, under manager's house, and five cottages, rallway sidings, and other workshops, as mills, under manager's house, and five cottages, rallway sidings, and other plant: also the valuable HUTE MINES, which are leasehold, edicing working order, and which will be offered as a going concern.

The mines have produced in recent years a large annual output of hematic iron ore of excellent quality, and there is a large quantual output of hematic iron ore of excellent quality, and there is a large quantity of ore already was which could be raised at a very low cost per ton.

The Liwynsaer Mines are held under agreement for lease for the term of il year, from 25th December, 1822.

Lot 2.—The VALUABLE HEMATITE IRON ORE MINE, known as Trecatic near Liantrisaent, with the valuable pumping and other engines, fixed as moveable plant, rallway sidings, &c.

This will also be offered as a going concern.

The property is leaschold, containing about 530 acres or thereabouts, held a term of which 29 years will be unexpired on 1st January, 1889.

These mines have produced during the last three years a large annual output of homatite iron ore, showing by analysis a large percentage of iron, and put freedom from injurious ingredients, and suitable for the manufacture of all linds of iron and steel. There is a very large area of unworked mineral on the perty, and a considerable quantity already wor by existing workings.

Further particulars of these important lots and plans and particulars and conditions of ale may be obtained upon application to Messrs. Lynz and H

GLAMORGANSHIRE. SALE OF THE BITUMINOUS COAL MINES

AVAN HILL COLLIERY,

AVAN HILL OOLLIERY,

Abergwynvi, on the Abergwinis Branch of the Great Western Railway, with the fixed plant, tools, sidings, and appurtenances, stabling, horses, together with the machinery for making the very best first-class fire bricks.

MESSES. STEPHENSON AND ALEXANDER have been instructed by the Avan Hill Colliery Company TO SELL, BY AUGUIOS, Three o'clock in the afternoon, the foregoing valuable COLLIERY PROPEST, known as the AVAN HILL COLLIERY, Abergwynf Valley, Glamorgansim, within easy reach of the shipping ports of Cardiff, Porthcawl, Port Take, Briton Ferry, Swansea, and adjacent to the Great Western Railway, with whis it is connected by suitable and commodious sidings.

The area of the minerals is about 575 acres, and the section of the seam being worked averages about 4 ft. in thickness over the whole property.

The workings, which are carried on through levels, have been worked is about four years, the present output being equal to about 800 tons per wei, which with a small outlay can be increased to over 200 tons per day within ten months.

nonths.

The royalties are of an exceptionally low figure, being only 6d. per tend 500 lbs., and 3d. per ton for fire clay and building stone.

The property was taken in 1863 for a term of 60 years, of which nearly 40 year are still unexpired, owing to which the terms of the lease are exceptionally

are still unexpired, owing to which the terms of the last class of each planning favourable.

The coal is well known in the market, and commands good prices.

The seam now being worked is attained through levels, and is water and parties; a good rock roof overlies the whole of the seam. In addition to the coal measures there is an excellent seam of fire clay, about 5 ft. thick, underseth the whole of the property, and workable by level.

The machinery, comprising a 14 in. single cylinder horizontal hauling engise, with ropes and drums and boiler complete, brick making machinery of the modern construction, and other plant and materials, horses, sidings, smith and carpenter's shop, stabling, &c.

The Bhonds and Swansea Bay Railway, now in course of construction, mass within ½ mile of the property, and brings the colliery within 11 miles of per, the toils upon which to Port Talbot, Briton Ferry, and Swansea will be must ally low.

ally low.

The South Wales Mineral Railway has a junction with the Great Western Railway system at a distance of 3 miles from the property.

For futher particulars apply to the Auctioneers, or to Mr. D. B. EVARS, Ann Hill Colliery, Abergwynfi, near Bridgend.

TO OIL AND CHEMICAL MANUFACTURERS. IMPORTANT SALE OF VALUABLE FREEHOLD PROPERTY

PROPERTY

Belonging to the Flintshire Oil and Cannel Company (Limited), comprising the extensive premises known as ST. DAVID'S OiL WORKS, situate at Saliner, near Chester, with managing director's and manager's houses, building, and erections, and upwards of 18 acres of freshold land, together with the whole of the extremely valuable plant, machinery, goodwill, and stock-in-trade, as going concern; also a desirable FREEHOLD ESTATE at Tryddyn, near Meld, comprising a handsome residence, known as Tryddyn Lodge, with ample outbuildings, gardens, &c., farm-house and buildings, numerous cottages, and 57A. 2s. 51; of land, including the premises known as the Tryddyn Lodge sof Farm Collieries, together with the valuable plant and machinery thereos, sut the minerals underlying the same.

MESSRS. CHURTON, ELPHICK, AND CO, have received instructions TO SELL BY AUCTION, at the Grosvenor Hotel, Chester, on SATURDAY, the 25th of October, 1869, the above-mentioned valuable FREE-HOLD PROPERTIES.

N.B.—Particulars, with plans, will shortly be published. Any further informa-

N.B.—Particulars, with plans, will shortly be published. Any further informa-tion may be had from Mr. J. TATLOCK, Bolicitor to the Company, or lis Auctioneers, all of Chester.

CWMPRYF MINE, Valley, seven miles distant from Aberystwyth.

Situate in the Rheidol Valley, seven TO BE SOLD, BY AUCTION, at the above-named Mine, on TUESDAY, 7th October, 1884, the WHOLE of the VALUABLE and

A 40 ft. diameter by 4 ft. 6 in. breast water wheel, with pit frame and holding down bolts; 30 in. diameter crushing mill, with levers, balance box, intermediate gearing, and wrought iron raft wheel, left. diameter; two round buddles, with 2 ft. 6 in. diameter cast iron centre pieces revolving plates; clean water spiaratus; wood flooring; strong top frame and driving gear; large quantity of wooden covered launders, well bolted together; several tons of bridge rails, its 14 lbs. to the yard, and wood sleepers for ditto; tram wagons; wheel barrow; hand barrows; shovels; picks; miners' tools; smiths' bellows; anvil, vice, and other tools; one crab winch; scales and weights; and several other sushy articles.

rricles.
The whole of the above are nearly equal to new.
Bale to commence at Twelve noon.
Further particulars to be obtained of Mr. GRIFFITH WILLIAMS, Timber Methant; or Mr. THOMAS WILLIAMS, Rheidol Foundry: both of Aberystwyth.

TO LANDED PROPRIETORS, ESTATE AGENTS, SOLICITORS, AND OTHERS.

SURVEYS and PLANS of ESTATES, large or small, made at a fixed charge of One Shilling per acre anywhere in the kingdom.

Address, T. G. Alderson, Land Surveyor, 10, Queen's Grove,

Nottingham.

MICHELL AND TREGONING'S PATENT PULVERISES.

P BARTLE AND CO., of BASSET FOUNDRY, CARN BREA,
have much pleasure in announcing that they have become the PATENT; and are, therefore, in a position to SUPPLY this FIRST-CLASS PULVERISER direct from their own Works at the shortest notice, and of guaranteed workmanship.

This Pulveriser has wen saveral Maddianate to the shortest and RCHASERS of an UNDIVIDED otice, and of guaranteed workmanship.

This Pulveriser has won several Medals, and has an unrivalled and

Further particulars on application.

Further particulars on application.

All descriptions of Mining Machinery for home and foreign parts

Faggotting, Smithery, and Fitting in all its Branches.

DEPRESSION VOTEUR ECONOMY LET ALL STEAM USERS COVER THEIR BOILERS AND STEAM PIPES with

TANNIC CEMENT,

And save 15 per cent. to 75 per cent. (according to situation of boiler and length of pipes) of their expenditure on Fuel.

For prices and full particulars of this New Patent Non-conducting Composition, write to the Manufacturers,—

DAVID BURNS AND CO., Engineers, 10, BANK STREET, CARLISLE AGENTS WANTED.

1884

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NOBEL'S DYNAMITE



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A LOSSIA CONTRACTOR OF THE PARTY OF THE PART	Sheres.   Puid. Less wk. Cles. pr   25000 Aberduna,* l. Denbigh	Sacres.   12060 North Herodsfoot, I. Liskeard.   1010 North Herodsfoot, I. Liskeard.   1011
BRITISH DIVIDEND MINES.		\$0000 North Molton, c, ms, t, Dovon
Saares. Perid. Lest tok. Clos. pr. Total divs. Per sh. Last pd. 13000 Bedford Unit., c. Tavis. (£1 liab.) 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 0 01 0	10000 Brada, * i, lel of Man 1 0 0 30000 British, * a-i, bi, Wrexham 1 0 0 30000 British, * a-i, bi, Wrexham 1 0 0 30000 British Manganese Company 1 0 0 30000 British United, * i, Oardigan 1 0 0 30000 British United, * i, Oardigan 1 0 0 30000 British Manganese Company 1 0 0 30000 British Manganese Company 1 0 0 0 300000 British United, * i, Oardigan 1 0 0 0 300000 British United, * i, Oardigan 1 0 0 0 300000 British United, * i, Oardigan 1 0 0 0 300000 British Manganese Company 1 0 0 0 300000000 British Manganese Company 1 0 0 0 3000000 British Manganese Company 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	40000 Okel Tor, * t, c, a, Calstock
10240 Devon Gt. Consols, c, a, Tavistock* 1 0 0 3 2½ 2½ 118 7 0 0 6 9 Nov. 1882 4700 Dolcoath, c, t, Camborne	12000 Collacombe Consols, c, bi, Lamerton 0 2 6 \$46 \$46 \$46.50000 Carn Camborne, c, c, Camborne 1 0 0 \$2	45000 Parys Corporation, c, Anglesea 1 c
12000 Great Holway, * 1, Plintshire	12000 Collacombe Consols, c, bl, Lamerton 0 2 6 \$\frac{9}{18}\$ \$\frac{1}{6}\$ \$\fra	7500 Pateley Bridge, 1, Yorkshire 100 8
9830 Gunuislake (Clitters), t, c 2 2 0 14 14 19 9 0 2 0 Mar. 1882 2800 Iale of Man, t, Iele of Man* 25 0 0 3 5 0 1 0 0 Sept. 1880 2800 King of Man to Cheewaste 1 8 8 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	300000 Clifford Amalgamated	20000 Penegarreg, t, Carmarthenshire
20000 Leadhills, 4, Lanarkshire	20000 Central Foxdale, *\(\text{i, isle of Man.}\) 1 17 6 130000 Clifford Amalgamated. 1 0 0 1\(\frac{1}{2}\). 13\(\frac{1}{2}\) 25006 Cood-y-FedwkPant-y-Buarth, *\(\text{i}\) 1 0 0 1\(\frac{1}{2}\). 13\(\frac{1}{2}\). 13 5000 Crolging, *\(\text{i, i}\), 0 penlighshire 0 17 0 \(\frac{1}{2}\). 35400 Crook Burn. *\(\text{i}\). (200b) Cumberland 0 17 0 \(\frac{1}{2}\). 35400 Crook Burn. *\(\text{i}\). (200b) Cumberland 0 17 0 \(\frac{1}{2}\).	45000 Parys Corporation, c, Angleson 1 0 0.1 7500 Pateley Bridge, l, Yorkshire 1 0 0. 7500 Pateley Bridge, l, Yorkshire 1 0 0. 6500 Pednan-drea, f, Redruth 4 10 0. 6500 Pennant, l, 6ar, North Wales 5 0 0. 20000 Pennant, l, 6ar, North Wales 1 0 0. 20000 Pennant, l, 6ar, North Wales 1 0 0. 20000 Pennant, l, 6ar, North Wales 1 0 0. 20000 Pennant, l, 6ar, North Wales 1 0 0. 20000 Pennant, l, 6ar, North Wales 1 0 0. 20000 Polioreo, f, 8t. Agnes 0 3 0. 212000 Polioreo, f, 9t. Agnes 0 3 0. 212000 Polioreo, f, 9t. Agnes 0 3 0. 212000 Prince of Wales, s, c, t, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 212000 Prince of Wales, s, c, c, Calstock 1 2 0. 21
9000 Minera Mining Co., I, Wrexham* 5 0 0 7 5 7 69 14 2 0 2 6 Aug. 1884 20000 Mining Co. of Ireland, el, e, I* 7 0 0 1½ 1 1½. 24 0 0 0 2 6 Jan. 1880 11829 North Hendre, I, Wales 2 10 0 3 15 0 0 4 0 Nov. 1822	48723 D'Eresby Mountain, I. di Lianrwst. 0 10 0 34 34 12000 Derwent, *I. Durham 4 0 0	35000 Russell United, s. Taylstock 0 19 a
8146 Ditto	50000 Drakewalls, t, c Calstock	30000 Silver Hill, *Callington
<ul> <li>S123 Bouth Condurrow, c, c, Cambornet</li> <li>7 5 7</li> <li>9½</li> <li>8½</li> <li>9½</li> <li>11 8 6</li> <li>0 7 0</li> <li>Aug. 1884</li> <li>9000 Bouth Darren, f, Cardigan*</li></ul>	12000 East Blue Hills, t, St. Agnes 0 5 0 36 3/18 5/18 8000 East Botallack, t, St. Just	50300 South Caradon, c, St. Cleerf
15000 Van, I, Llanidloes (in Eq.)	30000 E. Craven Moor." J. Pateley Bridge 1 0 0 — 15000 East Devon Cons., "c. Buckfastigh. 2 0 0 15	5000 South Doleoath, c, t, Illogan 0 19 0 5000 South Kitty, t, St. Agnes 0 10 0 5000 South Penstruthal, t, c, Gwennap 3 16 0 5000 South Penstruthal
6000 Wheal Agar, t, Illogan	15000 East Devon Oons, 'c, Buckfastigh. 2 0 0 5/ 1/5	5000 South Dolcoath, c, f, Illogan 0 19 0 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
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FOREIGN DIVIDEND MINES.	12000 Gawton, c, Tavistock	40000 Tamar, s-i, Bearalston*
## FOREIGN DIVIDEND MINES.    35500 Alamillos, I. Spain*   2 0 0 1 14 134 134 2 18 8 0 1 6 Sept. 1834 30000 Almada and Tirito Consol., **   1 0 0 3 1/6 2/6 0 6 3 0 1 0 May 1875 20000 Australian, C. South Australian, T. 7 7 5 2 13/6 2 11 0 0 1 6 July 1834 15000 Birdseye Greek, g. Oalifornia* 4 0 0 3 4 3 1 1 7 0 0 2 0 June 1838 30000 Bratseyer, C. Norway* 2 2 0 0 13/6 13/4 14 0 0 2 0 June 1838 30000 Bratseyer, C. Norway* 2 2 0 0 15/6 13/4 13/4 0 4 4/5 0 1 25/Mar. 1834 30000 Bratseyer, C. Norway* 2 2 0 0 13/6 13/4 13/4 0 4 4/5 0 1 25/Mar. 1834 30000 Google Mining, *† South Africa 8 0 0 44 43 4444 85 17 6 1 0 0 Sept. 1834 65000 Colorado United, ** Colorado* 1 0 0 3/4 9/6 2/4 2/5 14 6 0 1 0 May 1833 50000 Colopapo, c. Chili* (24 shares)† 3 10 0 2 2/2 2/4 2/5 14 6 0 1 0 May 1833 50000 Colopapo, c. Chili* (24 shares)† 3 10 0 2 2/4 2/4 2/5 14 6 0 1 0 May 1833 50000 Colopapo, c. Chili* (24 shares)† 3 10 0 2 2/4 2/4 2/4 2/5 14 6 0 1 0 May 1833 50000 Colopapo, c. Chili* (24 shares)† 3 10 0 2 2/4 2/4 2/4 2/5 14 6 0 1 0 May 1833 70000 English & Australian, ** 1c. S. Aust. 2 10 0 — 3 2 9 0 1 0 Mar. 1834 7000 Eng. Aus. g. Yot. ** pref. (25000 o.) 1 0 0 — 3 2 9 0 1 0 Mar. 1834 7000 Eng. Aus. g. Yot. ** pref. (25000 o.) 1 0 0 — 3 2 9 0 1 0 Mar. 1834 7000 Eng. Aus. g. Yot. ** pref. (25000 o.) 1 0 0 — 3 2 4 1/4 3/4 2 12 0 0 1 0 Dec. 1833 430000 La Plata, ** 1. Leadvillet	10000 Goddards,*1,0, Carnaryon 1 0 0 — 32000 Goginan,*1, Cardiganahire 1 2 0 34 14 34 155000 Goddards,*8, Charles 1 0 0 34 14 34	0 0 1)
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70000 English & Australian,*tc, S. Aust 2 10 0 — 3 2 9 0 1 0 Mar. 1854 2000 Eng. Aus., g, Vict.* pref. (20000 c.) 1 0 0 — 0 3 8 0 3 8 0 3 8 0 1 8 1832 25000 Fortuna, i, Spain*t	\$400 Hardshins,** l, Westmore. (10s. sh.) 0 7 8 1 1/2 1 12000 Herodsfoot, l, near Liskeardf	TROUGH THE CONTRACT OF THE CON
22000 Frontino & Bolivia, g, New Gran.*  2 0 0 34 16 34 312 0 0 1 0 Dec. 1883	35000 Rit Hill Gt. Cons. *c, ars-m,(2l. sh.) 1 2 8 14 15	12000 West Gonamena, c. St. Oleer 0 1 0
20000 Marbella fron Ore, ", Spain 10 0 0 2½ 2 2½ 0 10 0 0 10 0 10 1832 185164 Mason & Barry*c, Portugal 1 10 0 0 10½ 9½ 9½ 3 15 0 0 15 0 Apr. 1884 300000 Montana, "g.s., U.S.A. 20 0 1½ 11½ 11½ 0 0 8 0 0 8 8ept. 1884	15000 Lady Ann.* s-l, Lianarmon	10240 West Devon Consols, c, Calstock   1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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100000 Port Phillip, g. Clunes**(42 shares) 1 0 0 */18 */18 1 14 2 0 0 10 Feb. 1881 50000 Rara Fortuna, s. Argent. Republic. 1 0 0 0 3 0 0 1 0 July 1882 54000 Richmond Consol. s. Navada**. 5 0 0 2.24 284 284 14 18 0 0 5 0 Aug 1882	20000 Mona Consols,* c, Anglesea	2400 West Wheal Seton, c, Oambornel \$ 20 10 0 \$ 6144 Wheal Basset, c, Illogan \$\frac{1}{2}\$ \$\frac{1}{2}\$ 9 9 \$\frac{1}{2}\$ \$\frac{1}{2}\$
24532 Rio Tinto, c, Mortgage Bds., Huelva. 100 C 0. 95% 94% 94% 5 per cent. Apr. 1834 25500 Ditto, shares 10 0 0. 16% 15 15% 4 6 0. 0 16 0. May 1834 40000 Rants Barbara. c, Braxil 0. 0 10 0 4 76. 4 0 12 9 0 1 0 May 1832	12000 New Caradon, c, St. Cleer	3000 Wheal Boys, t, Redruth 1 3 6 50000 Wheal Castle, t, t, St. Just
12000 Schwabs Gully, 4, Kimberley	2400 New Cook's Kitchen, t, Illogan 10 5 6 1/4 1 1/5 8000 New Dolcoath, t, c, Camborne* 3 0 0 10000 New Holmbush, t, c, Callington 4 0 0	2400 West Wheal Seton, c, Oanhornerijs. 20 10 0 1 6144 Wheal Basset, c, Illoganj. 3 3 4 1 4000 Wheal Bonny, t, c, Latchley 5 0 0 5 0000 Wheal Boys, t, Redruth 1 3 6 5 0000 Wheal Castle, c, t, St. Just. 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
22500 Bierra Buttes, 9, California*†	8000 New Kitty, 6, St. Agnes 1 9 0 156. 1)4 134 2500 New Langford, 2, c, Callington 5 8 4 5 34 15000 New Hedmoor, ver, Callington 1 5 0	12000 Wheal Jewell, c, St. Hilary
180000 Tambracherry, g, Wynaad	25000 New Hedmoor, var, Callington	12000 Wheal Jewell, c, St. Hilary
connect With tening (Wounds Will & Date Die	12000 North Hive Hills, f. St. Agnes 0 2 8 2s 1s 24	21886 Wye Valley, I, Montgomery,
100000 Victorine (Nevada, U.S.) Deb. Eds 1 0 0 0 2 0 0 0 8June 1882 15000 Western Andes, s, Colombia 5 0 0 5½ 4½ 5 416 3 0 10 8Aug. 1884 2100 W. Prussian (S500 pref. sh. £10 pd.) 10 0 0 4 2 0 0 8 0Apr. 1881 54800 Yorke Pen., c, South Aust. Pref.t 1 0 0 ½a ½s ½s 0 3 0 0 3 0 May 1832	10000 N. D'Bresby Mount.,* i, bi, Carnary. 1 0 0 25000 North Gogicer.* i, Cardiganshire 1 0 0	<ul> <li>δi, blende; ε, copper; g, gold; i, lead; s, eliver; i, siver-lead; t, tin; s, sino; i, iron; s, arsenic d, dis "Limited Liability Companies; f quoted on the Stoot E.</li> </ul>
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Balkis,* g. Transvaal	8402   Qanada Company	50 Brown, Bailey, and Dixon [L] 40 0 9 10
130000 Callao Bis,*g, Venezueia	392000 8tk   Do., do. 4 per cent. Deb. Stock100   102 104 8402   1 Canada Company   1 94 96   253425   10 Canada Company   1 94 96   130000   1 Central Atgentine Land [L]   1   2 2 2/4   77000   5 Colon. Inv.k&g. of N. Zealand[L]   1   1   4   120245684k   Poreign& Col. Gov. Trust [L] Pref. 100   118   122   110675684k   Do.   Deferred   100   119   124   200010   6 General Credit and Discount [L]   3/4   3/4   200010   5 General Credit and Discount [L]   3/4   3/4   100000   5 London & S. African Explor, [L]   5   6   30038   5 London   Financial Association [Li] 24/5   1   5   2 5   5   5   5   5   5   5   3   6   6   6   6   3   7   7   7   7   3   7   7   7   3   7   7   7   3   7   7   3   7   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   7   3   7   3   7   7   3   7   7   3   7   7   3   7   4   7   5	100 Cammell and Co. [L]
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205188 Eberhardt, s. Nevada*†	200000 8tk Do. 6 per cent. do	23 Ebbw Vale Co. [L] 20 416 516 5 English Crown Spelter [L] 5 0 3 4
40000 Georgia, * g, United States	100000 10 S. Aust, Land Mort. & Agency [L] 2 3 3½	8 Genl. Mining Ass. [L](fu.,pd.) 8 0 5% 6% 50 Knowles, Andrew, and Oo. [L] 28 0 8 8% 29 Llynvi and Tondu [L] 20 0 21½ 6 21½ 10 Lydney & Wigpool fron Ore [L] 3 12 3 1
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